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This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> d l83 all hitstr tot

L83 ANSWER 1 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 2001:464368 HCAPLUS

DN 135:30298

TI Use of flavonoid and aromatic aldehydes as pesticides

IN Emerson, Ralph W.; Crandall, Bradford G., Jr.

PA Proguard, Inc., USA

SO U.S., 17 pp., Cont.-in-part of U.S. Ser. No. 366,973.

CODEN: USXXAM

DT Patent

LA English

IC ICM A01N035-02

NCL 514701000

CC 5-4 (Agrochemical Bioregulators)

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6251951	B1	20010626	US 1995-479623	19950607 <--
	CA 2208755	AA	19960711	CA 1995-2208755	19951229 <--
	WO 9620596	A1	19960711	WO 1995-US17053	19951229 <--
	W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9646111	A1	19960724	AU 1996-46111	19951229 <--
	AU 699074	B2	19981119		
	BR 9510178	A	19971014	BR 1995-10178	19951229 <--
	EP 800343	A1	19971015	EP 1995-944271	19951229 <--
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE			
	CN 1176576	A	19980318	CN 1995-197715	19951229 <--
	JP 10511955	T2	19981117	JP 1995-521179	19951229 <--
	EP 1000543	A1	20000517	EP 1999-203496	19951229 <--
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE			
	ZA 9600005	A	19960827	ZA 1996-5	19960102 <--
	ZA 9600007	A	19960827	ZA 1996-7	19960102 <--
	US 2002099101	A1	20020725	US 2001-866552	20010525 <--
PRAI	US 1994-366973	A2	19941230		<--
	US 1994-367082	A2	19941230		<--

US 1995-479623 A 19950607
 US 1995-485035 A 19950607
 EP 1995-944684 A3 19951229
 WO 1995-US17053 W 19951229
 US 1997-860514 B1 19970721

AB Methods and compns. based upon natural flavonoid and arom.
aldehydes, such as **cinnamic aldehyde** and
coniferyl aldehyde, are provided, which find use as
pesticides. The compns. are effective against pathogenic fungi
 and **insects** at concns. which are not phytotoxic to the treated
 host plant. Infestations of a variety of plant parts can be treated,
 including those of leaves and roots. Susceptible organisms include rust,
 powdery mildew and **aphids**.

ST natural flavonoid cinnamic **coniferyl aldehyde**
pesticide

IT Capsicum annum annum
 (grossum group; use of flavonoid and arom. **aldehydes** against
 powdery mildew on)

IT Disease, plant
 (powdery mildew; use of flavonoid and arom. **aldehydes** against
 powdery mildew on)

IT Grass (Poaceae)
 (turf; use of flavonoid and arom. **aldehydes** against powdery
 mildew on)

IT Erysiphaceae
 Nematode (Nematoda)
 Phylloxera
 Phytophthora fragariae
 Sclerotinia homoeocarpa
 (use of flavonoid and arom. **aldehydes** against)

IT Agrostis
 Cabbage
 Chrysanthemum
 Citrus
 Grape
 Lettuce (Lactuca sativa)
 Rose (Rosa)
 Tomato
 (use of flavonoid and arom. **aldehydes** against powdery mildew
 on)

IT Strawberry
 (use of flavonoid and arom. **aldehydes** against red core on)

IT Fungicides
Insecticides
 Nematocides
 (use of flavonoid and arom. **aldehydes** as)

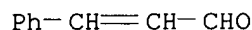
IT 104-55-2, Cinnamic aldehyde 458-36-6
 , coniferyl aldehyde,
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (use of flavonoid and arom. **aldehydes** as **pesticides**
)

RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
 RE

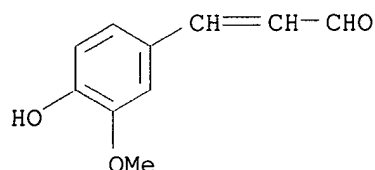
(1) Anon; GB 504125 1939 HCAPLUS
 (2) Anon; JP 57120501 1982 HCAPLUS
 (3) Anon; JP 86025682 1982
 (4) Anon; FR 2529755 1983 HCAPLUS
 (5) Anon; JP 60146804 1985 HCAPLUS
 (6) Anon; JP 61007290 1986 HCAPLUS
 (7) Anon; JP 61065802 1986 HCAPLUS
 (8) Anon; JP 63255203 1988 HCAPLUS
 (9) Anon; JP 1261303 1989
 (10) Anon; DE 3724595 1989

- (11) Anon; JP 2157205 1990
 - (12) Anon; JP 4149103 1992
 - (13) Anon; JP 4176460 1992
 - (14) Anon; JP 4316506 1992
 - (15) Anon; JP 6183925 1992
 - (16) Anon; JP 5117125 1993
 - (17) Anon; JP 5139924 1993
 - (18) Anon; WO 9305159 1993 HCAPLUS
 - (19) Anon; WO 9324638 1993 HCAPLUS
 - (20) Anon; JP 06329514 1994
 - (21) Anon; WO 9408036 1994 HCAPLUS
 - (22) Anon; WO 9424158 1994 HCAPLUS
 - (23) Anon; WO 9427434 1994 HCAPLUS
 - (24) Anon; WO 9515082 1995 HCAPLUS
 - (25) Anon; WO 9620596 1996 HCAPLUS
 - (26) Anon; WO 9641528 1996 HCAPLUS
 - (27) Anon; Letters App Micro 1994, V19, P110
 - (28) Armstrong; US 5149715 1992 HCAPLUS
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 - (30) Bowles; J Food Protection 1993, V56, P788 HCAPLUS
 - (31) Bullerman; J Food Science 1977, V42(4), P1107 HCAPLUS
 - (32) Casey; Enzyme Microb Technol 1992, V14, P739 HCAPLUS
 - (33) Dorman; US 2465854 1949 HCAPLUS
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 - (45) Kilburn; US 5202247 1993 HCAPLUS
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 - (47) King; Agriculture Handbook 1954, V69, P1
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 - (57) Sperti; US 4477361 1984 HCAPLUS
 - (58) Takahashi; US 5079000 1992 HCAPLUS
 - (59) Vaughn; US 5129951 1992 HCAPLUS
 - (60) Vaughn; J Agric Food Chem 1994, V42(1), P200 HCAPLUS
 - (61) Wallace; US 5166317 1992 HCAPLUS
 - (62) Wolf; US 4402950 1983 HCAPLUS
 - (63) Yuan; Fundamental & Applied Toxicol 1993, V20, P83 HCAPLUS
 - (64) Yuan; Fundamental & Applied Toxicology 1993, V20, P83 HCAPLUS
- IT 104-55-2, Cinnamic aldehyde 458-36-6
 , coniferyl aldehyde,
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (use of flavonoid and arom. aldehydes as pesticides
)

RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



RN 458-36-6 HCAPLUS
 CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



L83 ANSWER 2 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1998:774009 HCAPLUS
 DN 130:11558
 TI Aromatic **aldehydes** and related aromatic compounds as
insecticides and **acaricides**
 IN Emerson, Ralph W.; Crandall, Bradford G., Jr.
 PA Proguard, Inc., USA
 SO U.S., 17 pp., Cont.-in-part of U.S. 5,676,958.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM A01N035-00
 ICS A01G013-00
 NCL 047058000
 CC 5-4 (Agrochemical Bioregulators)
 FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5839224	A	19981124	US 1996-621852	19960325 <--
	US 5536501	A	19960716	US 1994-366974	19941230 <--
	US 5676958	A	19971014	US 1995-482222	19950607 <--
	WO 9735476	A2	19971002	WO 1997-US5369	19970325
	WO 9735476	A3	19971127		
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9724319	A1	19971017	AU 1997-24319	19970325
PRAI	US 1994-366974		19941230 <--		
	US 1995-482222		19950607		
	US 1996-621852		19960325		
	WO 1997-US5369		19970325		
OS	MARPAT 130:11558				
AB	Methods and compns. based upon natural arom. compds. (Markush given) are provided, which find use as pesticides . The compds. are cinnamic aldehyde , .alpha.-hexylcinnamic aldehyde , coniferyl aldehyde , cinnamic acid and cinnamic ester . Also included in the invention is the Liquidambar balsam . The pesticides are formulated in a variety of ways,				

including dusts, sprays, **shampoos** and **soaps**, and can be bound to a solid support or provided as bait or directly impregnated into org. matter infested by, or susceptible to, infestation by a target **pest**. **Pests** controlled include **mosquitos**, **lice**, **ants**, **cockroaches**, **lice**, and **ticks**.

ST arom **aldehyde insecticide acaricide**

IT Balsams

RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(Liquidambar; **insecticide** and **acaricide**)

IT **Acaricides**

Insecticides

(arom. **aldehydes** and related arom. compds.)

IT Citrus

Cotton

(arom. **aldehydes** and related arom. compds. as **insecticides** and **acaricides** for)

IT **Aphid**

(control by arom. **aldehydes** and related arom. compds.)

IT 101-86-0, .alpha.-Hexylcinnamic **aldehyde**

104-55-2, **Cinnamic aldehyde** 458-36-6

, **Coniferyl aldehyde** 621-82-9, **Cinnamic acid**,
biological studies 621-82-9D, **Cinnamic acid**, esters

RL: **AGR (Agricultural use)**; BUU (Biological use, unclassified);
BIOL (Biological study); USES (Uses)

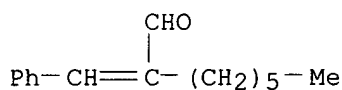
(**insecticide** and **acaricide**)

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD

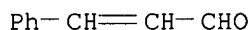
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- (1) Anon; GB 504125 1939 HCAPLUS
- (2) Anon; JP 57-120501 1982 HCAPLUS
- (3) Anon; JP 86025682 1982
- (4) Anon; FR 2529755 1984 HCAPLUS
- (5) Anon; JP 59-222402 1984 HCAPLUS
- (6) Anon; JP 63-255203 1988 HCAPLUS
- (7) Anon; JP 1261303 1989
- (8) Anon; GB 2209943 1989 HCAPLUS
- (9) Anon; JP 3081202 1991 HCAPLUS
- (10) Anon; JP 4149103 1992
- (11) Anon; JP 4176460 1992
- (12) Anon; JP 50024436 1993 HCAPLUS
- (13) Anon; JP 5117125 1993
- (14) Anon; JP 5139924 1993
- (15) Anon; JP 06329514 1994
- (16) Anon; JP 6183925 1994
- (17) Anon; WO 94/24158 1994 HCAPLUS
- (18) Anon; WO 94/27434 1994 HCAPLUS
- (19) Bowles; J Food Protection 1993, V56, P788 HCAPLUS
- (20) Casey; Enzyme Microb Technol 1992, V14, P739 HCAPLUS
- (21) Dorman; US 2465854 1949 HCAPLUS
- (22) Emerson; US 5536501 1996 HCAPLUS
- (23) Frear; Chemistry of Insecticides and Fungicides 1942, V13, P184
- (24) Hebert; Lengd Food Ind Res HCAPLUS
- (25) Kilburn; US 5340731 1994 HCAPLUS
- (26) King; Agriculture Handbook 1954, V69, P1
- (27) Matsumoto Microbiology Laboratory; Antimicrobial Test of Avion-M 1982, P57
- (28) Ottoboni; The Merck Index Eleventh Edition 1989
- (29) Sotome; US 4978686 1990 HCAPLUS
- (30) Sperti; US 4477361 1984 HCAPLUS
- (31) Wallace; US 5166317 1992 HCAPLUS
- (32) Wolf; US 4402950 1983 HCAPLUS
- (33) Yuan; HCAPLUS
- (34) Yuan; Fundamental & Applied Toxicol 1993, V20, P83 HCAPLUS

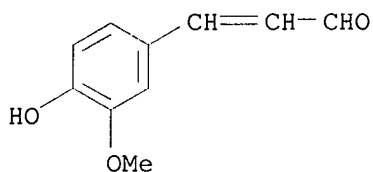
IT 101-86-0, .alpha.-Hexylcinnamic aldehyde
 104-55-2, Cinnamic aldehyde 458-36-6
 , Coniferyl aldehyde
 RL: AGR (Agricultural use); BUU (Biological use, unclassified);
 BIOL (Biological study); USES (Uses)
 (insecticide and acaricide)
 RN 101-86-0 HCAPLUS
 CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



RN 458-36-6 HCAPLUS
 CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



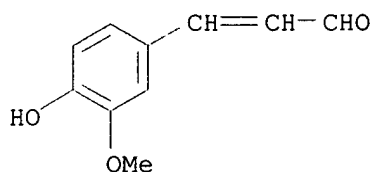
L83 ANSWER 3 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1997:684203 HCAPLUS
 DN 127:327740
 TI Use of aromatic aldehydes as insecticides and
 acaricides
 IN Emerson, Ralph W.; Crandall, Bradford G., Jr.
 PA Proguard, Inc., USA
 SO U.S., 11 pp., Cont.-in-part of U.S. 5,536,501.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM A01N025-00
 NCL 424405000
 CC 5-4 (Agrochemical Bioregulators)
 FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5676958	A	19971014	US 1995-482222	19950607 <--
	US 5536501	A	19960716	US 1994-366974	19941230 <--
	WO 9620594	A1	19960711	WO 1995-US17007	19951229 <--
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	RW:		KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG		
	CA 2208760	AA	19960711	CA 1995-2208760	19951229 <--

AU 9646475 A1 19960724 AU 1996-46475 19951229 <--
 AU 705775 B2 19990603
 BR 9510179 A 19971014 BR 1995-10179 19951229 <--
 EP 800344 A1 19971015 EP 1995-944424 19951229 <--
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE
 CN 1177279 A 19980325 CN 1995-197742 19951229 <--
 US 5839224 A 19981124 US 1996-621852 19960325 <--
 PRAI US 1994-366974 19941230 <--
 US 1995-482222 19950607
 WO 1995-US17007 19951229
 OS MARPAT 127:327740
 AB Arom. **aldehydes** (Markush given). such as cinnamic and
 coniferyl aldehyde, are **insecticides** and
 acaricides. They are formulated as dusts, sprays, **shampoos**
 and **soaps**, etc., and can be bound to a solid support or provided
 as bait or directly impregnated into org. matter infested by or
 susceptible to infestation by a target **pest**. **Pests**
 controlled include **mosquitos**, **lice**, **ants**,
 cockroaches, **lice**, and **ticks**.
 ST arom **aldehyde insecticide acaricide**
 IT **Acaricides**
 Insecticides
 (arom. **aldehydes**)
 IT **Aldehydes**, biological studies
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL
 (Biological study); USES (Uses)
 (arom.; **insecticides** and **acaricides**)
 IT **Chironomidae**
 (biting; control with arom. **aldehydes**)
 IT **Ant (Formicidae)**
 Blattaria
 Flea (Siphonaptera)
 Fly (Diptera)
 Mite and Tick
 Mosquito
 (control with arom. **aldehydes**)
 IT **Emulsions**
 Shampoos
 (**insecticidal** and **acaricidal**)
 IT **Soaps**
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (**insecticidal** and **acaricidal**)
 IT 104-55-2, **Cinnamic aldehyde** 458-36-6
 , **Coniferyl aldehyde**
 RL: AGR (**Agricultural use**); BUU (Biological use, unclassified);
 BIOL (Biological study); USES (Uses)
 (**insecticide** and **acaricide**)
 IT 104-55-2, **Cinnamic aldehyde** 458-36-6
 , **Coniferyl aldehyde**
 RL: AGR (**Agricultural use**); BUU (Biological use, unclassified);
 BIOL (Biological study); USES (Uses)
 (**insecticide** and **acaricide**)
 RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

RN 458-36-6 HCAPLUS
 CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



L83 ANSWER 4 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1997:650245 HCAPLUS

DN 127:289371

TI Microencapsulated aromatic **aldehyde insecticides** and **acaricides**

IN **Emerson, Ralph W.; Crandall, Bradford G., Jr.**

PA **Proguard, Inc., USA; Emerson, Ralph W.; Crandall, Bradford G., Jr.**

SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2

DT Patent

LA English

IC ICM A01N035-02

CC 5-4 (**Agrochemical** Bioregulators)

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9735476	A2	199711002	WO 1997-US5369	19970325
	WO 9735476	A3	19971127		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 5839224	A	19981124	US 1996-621852	19960325 <--
	AU 9724319	A1	19971017	AU 1997-24319	19970325
PRAI	US 1996-621852		19960325		
	US 1994-366974		19941230 <--		
	US 1995-482222		19950607		
	WO 1997-US5369		19970325		
OS	MARPAT 127:289371				
AB	Microencapsulated arom. aldehydes , such as cinnamic, .alpha.-hexylcinnamic or coniferyl aldehyde , as well as balsam are insecticides and acaricide . The polymer microcapsule shell is made of beeswax or carnauba wax. Pests controlled include aphids mosquitos , lice , ants , snails , slugs , cockroaches , lice , and ticks .				
ST	microencapsulated arom aldehyde insecticide				
IT	Insecticides				
	(aphicides; microencapsulated arom. aldehyde insecticides and acaricides)				
IT	Aldehydes , biological studies				
	RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(arom.; microencapsulated arom. aldehyde insecticides and acaricides)				
IT	Acaricides				
	Citrus				

Cotton

Insecticides**Pesticide formulations**(microencapsulated arom. **aldehyde insecticides** and **acaricides**)

IT Balsams

RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(microencapsulated **insecticide** and **acaricide**)

IT Beeswax

(shell capsule for microencapsulated arom. **aldehyde insecticides** and **acaricides**)

IT Carnauba wax

RL: MOA (Modifier or additive use); USES (Uses)
(shell capsule for microencapsulated arom. **aldehyde insecticides** and **acaricides**)

IT Balsams

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(storax; microencapsulated **insecticide** and **acaricide**)

IT 101-86-0, .alpha.-Hexylcinnamic aldehyde

104-55-2, Cinnamic aldehyde 458-36-6

, Coniferyl aldehyde

RL: AGR (Agricultural use); BUU (Biological use, unclassified);
BIOL (Biological study); USES (Uses)
(microencapsulated arom. **aldehyde insecticides** and **acaricides**)

IT 101-86-0, .alpha.-Hexylcinnamic aldehyde

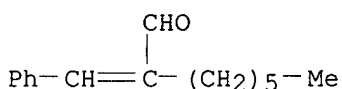
104-55-2, Cinnamic aldehyde 458-36-6

, Coniferyl aldehyde

RL: AGR (Agricultural use); BUU (Biological use, unclassified);
BIOL (Biological study); USES (Uses)
(microencapsulated arom. **aldehyde insecticides** and **acaricides**)

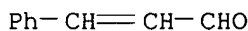
RN 101-86-0 HCAPLUS

CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



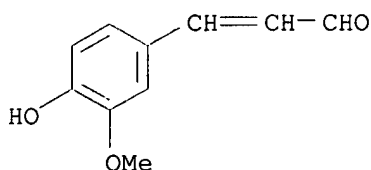
RN 104-55-2 HCAPLUS

CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



RN 458-36-6 HCAPLUS

CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



prevention of odor generation from laundered clothing upon long-term storage)

IT 60-12-8, .beta.-Phenethyl alcohol 78-70-6, 3,7-Dimethyl-1,6-octadien-3-ol 80-54-6 93-92-5 97-54-1 **101-86-0** 103-95-7 104-46-1, p-Propenylphenyl methyl ether 106-23-0 106-24-1 106-25-2 110-41-8, **Methylnonylacetaldehyde** 112-31-2, n-Decylaldehyde 112-45-8, 10-Undecen-1-al 115-95-7 **122-40-7** 134-20-3, Methyl 2-aminobenzoate 140-11-4, Benzyl acetate 543-39-5, 2-Methyl-6-methylene-7-octen-2-ol 928-96-1, cis-3-Hexenol 1506-02-1 2630-39-9 2705-87-5, Allyl cyclohexanepropionate 3407-42-9 5392-40-5, 3,7-Dimethyl-2,6-octadienal 18479-51-1, 3,7-Dimethyl-6-octen-3-ol 28219-61-6 31906-04-4 33704-61-9 54464-57-2 64070-16-2 67634-15-5 68039-49-6

RL: USES (Uses)

(perfumes contg., in laundry **detergents** with prevention of odor generation from laundered clothing upon long-term storage)

IT 9003-11-6D, Polyethylene polypropylene glycol, alkyl ethers 25322-68-3D, Polyethylene glycol, alkyl ethers

RL: TEM (Technical or engineered material use); USES (Uses)

(surfactants, in laundry **detergents** with prevention of odor generation from laundered clothing upon long-term storage)

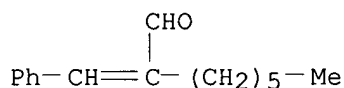
IT **101-86-0 122-40-7**

RL: USES (Uses)

(perfumes contg., in laundry **detergents** with prevention of odor generation from laundered clothing upon long-term storage)

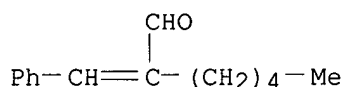
RN 101-86-0 HCAPLUS

CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



RN 122-40-7 HCAPLUS

CN Heptanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



L83 ANSWER 13 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1991:663067 HCAPLUS

DN 115:263067

TI Antibacterial compositions for cosmetics

IN Burrell, John William Kidman; Fraser, Stuart Bernard; Kilcullen, Neil; Martin, Alexander; Melville, James Barrie

PA Unilever N. V., Neth.; Unilever PLC

SO Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DT Patent

LA English

IC ICM A61K007-00

ICS A61K007-46; C11B009-00

CC 62-3 (Essential Oils and Cosmetics)

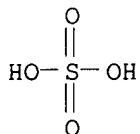
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 451889	A1	19911016	EP 1991-200560	19910315 <--
	EP 451889	B1	19941207		

Ph-CH=CH-CHO

RN 7757-82-6 HCAPLUS

CN Sulfuric acid disodium salt (8CI, 9CI) (CA INDEX NAME)



● 2 Na

L83 ANSWER 15 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1990:62730 HCAPLUS

DN 112:62730

TI Disinfectant compositions containing chlorine dioxide

IN Hutchings, Richard S.

PA Drackett Co., USA

SO U.S., 7 pp.

CODEN: USXXAM

DT Patent

LA English

IC ICM A01N059-00

ICS C11D003-48; C01B011-02; D06L003-08

NCL 252187210

CC 63-8 (Pharmaceuticals)

Section cross-reference(s): 5

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4861514	A	19890829	US 1988-204065	19880608 <--
	CA 1307204	A1	19920908	CA 1989-600038	19890518 <--
	EP 345966	A2	19891213	EP 1989-305260	19890524 <--
	EP 345966	A3	19910508		
	EP 345966	B1	19941214		
	R: BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	ES 2064441	T3	19950201	ES 1989-305260	19890524 <--
	ZA 8904094	A	19900328	ZA 1989-4094	19890530 <--
	IL 90526	A1	19930404	IL 1989-90526	19890605 <--
	BR 8902669	A	19900123	BR 1989-2669	19890607 <--
	AU 8936176	A1	19891214	AU 1989-36176	19890608 <--
	AU 619850	B2	19920209		
	JP 02038301	A2	19900207	JP 1989-144295	19890608 <--
PRAI	US 1988-204065		19880608 <--		

AB A disinfectant compn. (basic pH) comprises NaClO₂, an initiator to interact with the NaClO₂ to form ClO₂, and water. The initiator may be selected from (1) hydroxyalkyl cellulose, alkali metal alginate, xanthan gum, carrageenan and agar; (2) dyes; (3) compds. having an aldehyde or acetal substituent; (4) perfumes not including a compd. (3); and (5) mono- and disaccharides. The compn. has a viscosity suitable to maintain ClO₂ at a steady-state concn. A toilet bowl cleaner comprised NaClO₂ 0.25, Na-CMC 0.8, Acid Blue No. 9 0.05, perfume 0.20, Na₂SO₄ 3.0 and H₂O 95.7%.

ST chlorine dioxide disinfectant sodium chlorite

IT Dyes

Perfumes and Essences

Monosaccharides
 Oils, essential
 RL: BIOL (Biological study)
 (chlorine dioxide initiators, disinfectant compns. contg. sodium chlorite and)

IT Bactericides, Disinfectants, and Antiseptics
 (chlorine dioxide-contg.)

IT Dishwashing
 (disinfecting rinses for, chlorine dioxide-generating compns. for)

IT **Detergents**
 (cleaning compns., disinfecting, for toilet bowls, chlorine dioxide-generating compns. for)

IT Cosmetics
 (creams, disinfecting, chlorine dioxide-generating compns. for)

IT Oligosaccharides
 RL: BIOL (Biological study)
 (di-, chlorine dioxide initiators, disinfectant compns. contg. sodium chlorite and)

IT **Detergents**
 (hand cleaners, disinfecting, chlorine dioxide-generating compns. for)

IT 50-00-0, **Formaldehyde**, biological studies 50-99-7, Glucose, biological studies 57-48-7, Fructose, biological studies 63-42-3, Lactose 69-79-4, Maltose 75-07-0, **Acetaldehyde**, biological studies 76-49-3, Bornyl acetate 97-53-0, Eugenol 103-95-7, Cyclamen **aldehyde** 104-55-2 119-36-8, Methyl salicylate 122-03-2, Cuminic **aldehyde** 123-38-6, **Propionaldehyde**, biological studies 129-17-9 528-50-7 1330-38-7, Direct Blue 86 2650-18-2 3486-30-4, C.I. 42080 3521-06-0 5965-66-2, .beta.-Lactose 6379-04-0, C.I. 52035 7492-67-3, Citronellyl **oxyacetaldehyde** 9000-07-1, Carrageenan 9002-18-0, Agar 9004-62-0, Hydroxyethyl cellulose 9004-64-2, Hydroxypropyl cellulose 11138-66-2, Xanthan gum 14641-93-1, .alpha.-Lactose 37208-08-5, Hydroxybutyl cellulose
 RL: BIOL (Biological study)
 (chlorine dioxide initiator, disinfectant compns. contg. sodium chlorite and)

IT 9005-32-7D, Alginic acid, alkali metal salts 9004-34-6D, Cellulose, hydroxyalkyl ethers
 RL: BIOL (Biological study)
 (chlorine dioxide initiators, disinfectant compns. contg. sodium chlorite and)

IT 10049-04-4, Chlorine dioxide
 RL: BIOL (Biological study)
 (disinfectant compn. contg.)

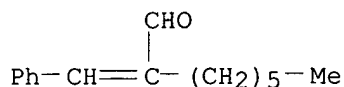
IT 7758-19-2, Sodium chlorite
 RL: BIOL (Biological study)
 (disinfectant compn. contg. chlorine dioxide initiator and)

IT **104-55-2**
 RL: BIOL (Biological study)
 (chlorine dioxide initiator, disinfectant compns. contg. sodium chlorite and)

RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

L83 ANSWER 16 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1989:156577 HCAPLUS
 DN 110:156577
 TI Enzyme-containing bleaching agent compositions
 IN Fujeda, Takashi; Araki, Hiroyuki



L83 ANSWER 17 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1988:633235 HCAPLUS

DN 109:233235

TI Malodor-free dishwashing **detergent** compositions

IN Tosaka, Masaki; Izumi, Yu; Nakagawa, Junosuke

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D010-02

ICI C11D010-02, C11D001-14, C11D001-75, C11D003-20

CC 46-6 (**Surface Active Agents and Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63092698	A2	19880423	JP 1986-239693	19861008 <--
	JP 05086998	B4	19931215		
OS	MARPAT 109:233235				
AB	The title detergents based on C12-18 .alpha.-olefinsulfonates or C10-16 alkylamine oxides contain C8-10 aliph. aldehyde , C7-15 arom. aldehyde , and/or lower alkyl anthranilate. A typical compn. comprised Na .alpha.-olefinsulfonate 6, polyoxyethylene ether sulfate Na salt 14, lauryldiethanolamide 4, EtOH 5, Na p-toluenesulfonate 2, octyl aldehyde 0.02, and water to 100%. A dishcloth washed with this detergent was free from malodor.				
ST	aldehyde deodorant dishwashing detergent ; olefinsulfonate dishwashing detergent deodorant; alkylamine oxide dishwashing detergent deodorant; alkyl anthranilate dishwashing detergent deodorant				
IT	Deodorants (aldehydes and anthranilates, for olefinsulfonate-or amide oxide-based dishwashing detergents)				
IT	Aldehydes , uses and miscellaneous Esters, uses and miscellaneous RL: USES (Uses) (deodorants, for olefinsulfonate- or alkylamine oxide-based dishwashing detergents)				
IT	Detergents (dishwashing, olefinsulfonate- or alkylamine oxide-based deodorants for, aldehydes and anthranilates as)				
IT	Amines, oxides RL: USES (Uses) (N-oxides, dishwashing detergents based on, deodorants for, aldehydes and anthranilates as)				
IT	80-54-6, p-tert-Butyl-.alpha.- methylhydrocinnamaldehyde 87-25-2, Ethyl anthranilate 90-02-8, o- Hydroxybenzaldehyde , uses and miscellaneous 93-53-8, .alpha.- Methylphenylacetaldehyde 100-52-7, Benzaldehyde , uses and miscellaneous 101-86-0 , .alpha.- Hexylcinnamaldehyde 103-95-7, p-Isopropyl-.alpha.- methylhydrocinnamaldehyde 104-53-0, 3- Phenylpropionaldehyde 104-55-2, Cinnamaldehyde 106-23-0, 3,7-Dimethyl-6-octenal 107-75-5 112-31-2, Decylaldehyde 120-57-0, 3,4- Methylenedioxybenzaldehyde 121-32-4, 3-Ethoxy-4-hydroxybenzaldehyde 121-33-5,				

Ph-CH=CH-CHO

L83 ANSWER 20 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1984:412008 HCAPLUS

DN 101:12008

TI Nonirritating cosmetics

PA Sunstar, Inc., Japan

SO Jpn. Tokkyo Koho, 4 pp.

CODEN: JAXXAD

DT Patent

LA Japanese

IC A61K007-00; A61K007-16; C11D003-20; C11D009-26

CC 62-1 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59010323	B4	19840308	JP 1975-44504	19750411 <--
AB	The addn. of 0.05% cyclodextrin [12619-70-4] to perfume-contg. cosmetics prevents the toxic side effects of odorous compds. Thus, a shampoo comprises Na lauryl sulfate 6, lauryl ether sulfate 6, coconut oil fatty acids diethanolamide 5, a perfume contg., for example, cinnamaldehyde [104-55-2] 0.5, .beta.-cyclodextrin [7585-39-9] 1, H2O 81, preservative and bactericide 0.5% by wt. .beta.-Cyclodextrin was dissolved in H2O, then mixed with perfume. The decrease of irritation was demonstrated in rabbits receiving this shampoo in their eyes.				
ST	cyclodextrin cosmetic skin eye				
IT	Eye, toxic chemical and physical damage (cosmetic toxicity to, cyclodextrin control of)				
IT	Cosmetics Dentifrices Odor and Odorous substances Perfumes and Essences Shampoos Soaps RL: BIOL (Biological study) (skin irritation by, cyclodextrin prevention of)				
IT	7585-39-9 12619-70-4 RL: BIOL (Biological study) (cosmetics contg., in skin irritation prevention)				
IT	104-55-2 RL: BIOL (Biological study) (cosmetics contg., skin irritation from, cyclodextrin prevention of)				
IT	104-55-2 RL: BIOL (Biological study) (cosmetics contg., skin irritation from, cyclodextrin prevention of)				
RN	104-55-2 HCAPLUS				
CN	2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)				

Ph-CH=CH-CHO

L83 ANSWER 21 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1982:599874 HCAPLUS

DN 97:199874

TI Fragrant enzyme-containing **detergent** compositions

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent
 LA Japanese
 IC C11D003-50; C11D003-12; C11D003-386
 CC 46-5 (**Surface Active Agents and Detergents**)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 57085900	A2	19820528	JP 1980-161695	19801117 <--
	JP 01041680	B4	19890906		
AB	Detergents having good stability contain perfumes such as octyl alc. (I) [111-87-5], nonyl alc. [143-08-8], cinnamaldehyde [104-55-2], etc., proteinase [9001-92-7], zeolite A, and anionic surfactants. Thus, a granular detergent contg. I 0.15, an enzyme 0.5, zeolite A, 20, linear ABS Na salt 10, Na .alpha.- olefinsulfonate 10, Na silicate 10, Na carbonate 10, CM-cellulose, water 10%, and the balanced amt. of Glauber's salt was stored 14 days at 35.degree. and 85% relative humidity or 45.degree. without a change of fragrance and with retention of high enzyme activity. The fragrance changed when vanillin was used in place of I.				
ST	zeolite proteinase perfume detergent ; ABS olefinsulfonate detergent ; builder zeolite detergent ; octyl alc perfume detergent ; nonyl alc perfume detergent				
IT	Zeolites, uses and miscellaneous RL: USES (Uses) (builders, for detergents contg. anionic surfactants, perfumes and proteinase)				
IT	Perfumes and Essences (in detergents contg. anionic surfactants, zeolites and proteinase)				
IT	Detergents (laundry, granular, contg. perfumes, proteinase, zeolites and anionic surfactants)				
IT	98-11-3D, alkyl derivs., sodium salts RL: USES (Uses) (detergents , contg. olefinsulfonates, perfumes, proteinase and zeolites)				
IT	9001-92-7 RL: USES (Uses) (in detergents contg. anionic surfactants, perfumes and zeolites)				
IT	120-51-4	507-70-0	25152-85-6		
	RL: USES (Uses) (perfumes contg., for detergents contg. anionic surfactants, proteinase and zeolites)				
IT	102-13-6	104-55-2	107-75-5	111-87-5, uses and miscellaneous	
	143-08-8	1632-73-1	5153-93-5	5471-51-2	16409-43-1 56011-02-0
	83687-45-0 RL: USES (Uses) (perfumes, for detergents contg. anionic surfactants, proteinase and zeolites)				
IT	104-55-2 RL: USES (Uses) (perfumes, for detergents contg. anionic surfactants, proteinase and zeolites)				
RN	104-55-2 HCAPLUS				
CN	2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)				

Ph-CH=CH-CHO

DRWN No Drawings

LN.CNT 496

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention concerns perfuming and protecting against microbial spoilage products, which are not intended for human or animal ingestion and which comprise at least 25% of water and 0-60% of a surface active material, by incorporating therein a preservative perfume. Preservative perfumes consist for at least 30% by weight of perfume ingredients which need at least 3 inoculations for failure in the individual challenge test. Preferred effective perfumes themselves need at least 5 inoculations for failure in the perfume challenge test.

PI US 5306707 19940426 <--

PRAI GB 1990-6254 19900320 <--

SUMM Products to be preserved will contain a certain quantity of water, generally at least 25% by weight, in most cases 30% or more. Furthermore, such products will usually contain some surface active material, either as an emulsifier, if the product is an emulsion, or as a **detergent** active material if the product has some kind of cleaning activity. Generally, the concentration of surface active material in the product will be 0-60% w/w; at higher concentrations of surface active material a preservative is hardly ever needed because microbial spoilage is unlikely to occur. Usually the level of surface active material will be 50% w/w or lower. On the other hand, the level of surface active material will usually be at least 0.1% w/w. Examples of products containing emulsifiers are: hand and body lotions, skin creams, sunscreen agents, hair conditioners, water-based adhesives and water-based paints. Examples of products containing **detergents** are: **shampoos**, **dishwashing** liquids, heavy duty cleaners, general purpose cleaners, liquid abrasive cleaners, liquid **soaps**, fabric softeners. Some products may fall into both categories. Other components which may be present in products preserved according to the invention are: colorants, antioxidants, structuring agents, pH buffers, abrasive particles, builders, UV absorbers, foam boosters, etc. As outlined above, the effectiveness of a preservative perfume in a given product is also influenced by the physico-chemical characteristics of that product and thus by the other components present in the product. However, since the test environment used in the challenge tests as hereinafter described generally reflects the conditions prevalent in most perfumed products, preservative perfumes as hereinbefore defined will give satisfactory results in a wide variety of products.

SUMM

Product	Surf. act. material (%)	Water (%)
Oil-in-water cream		
	10	60
Water-in-oil cream		
	2	60
Liquid abrasive cleaner		
	12	32
General purpose cleaner		
	8	90
Shampoo	20	75
Window cleaner	0.2	90
Fabric softener	5	94
Hair conditioner	5	90
Dishwashing liquid		
	40	55
Heavy duty cleaner		
	10	55

DETD A **shampoo** was prepared according to the following recipe:
 DETD This **shampoo** remained stable against microbial spoilage under normal use conditions.
 DETD A **shampoo** was prepared according to the following recipe:
 DETD The perfumes of examples 1-5, and comparative examples IV and V were all subjected to the perfume challenge test, however using the above **shampoo** formulation as the test medium. The perfumes were tested in a concentration of 0.4% w/w in the test medium and some also in concentrations of 0.6 and 1.0%. The number of inoculations to failure are tabulated below:
 DETD From the results it is apparent that the perfumes of comparative examples IV and V, although consisting for more than 50% of components which are described in the prior art as antimicrobially effective, do not have a reasonable preservative action even at a concentration of 1.0% in the **shampoo**, whereas the perfumes according to the invention effectively preserved the **shampoo** at a concentration of 0.4%.
 CLM What is claimed is:
 13. A perfumed product according to claim 1 wherein said product is an oil-in-water cream, a water-in-oil cream, a liquid abrasive cleaner, a general purpose cleaner, a **shampoo**, a window cleaner, a fabric softener, hair conditioner, **dishwashing** liquid or heavy duty cleaner.
 15. A perfumed product according to claim 14, said product being a **shampoo** or skin lotion.
 IT **Shampoos**
 (antibacterial perfume prepn. in)
 IT 103-82-2, Phenylacetic acid, biological studies **104-55-2**,
 Cinnamic aldehyde 104-57-4, Benzyl formate 104-62-1 110-93-0,
 2-Methyl-2-hepten-6-one 122-78-1, Phenylacetaldehyde 621-82-9,
 Cinnamic acid, biological studies 1191-16-8, Prenyl acetate
 3681-71-8, cis-3-Hexenyl acetate
 (antibacterial perfume prepn. contg., for cosmetics)
 IT **104-55-2**, Cinnamic aldehyde
 (antibacterial perfume prepn. contg., for cosmetics)
 RN 104-55-2 USPATFULL
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

=> d his

(FILE 'HCAPLUS' ENTERED AT 07:29:29 ON 04 NOV 2002)

DEL HIS
 E EMERSON R/AU
 L1 63 S E3,E10-E13
 E CRANDALL B/AU
 L2 16 S E3,E15,E16
 E PROGUARD/PA,CS
 L3 15 S E3-E6
 E PRO GUARD/PA,CS
 L4 1 S E5,E6
 L5 65 S L1-L4
 L6 19 S L5 AND ?ALDEHYD?
 L7 46 S L5 NOT L6

L8 756 S CINNAMIC ALDEHYDE
L9 215 S CONIFERYL ALDEHYDE
L10 15 S L5 AND L8,L9
L11 15 S L6 AND L10
L12 50 S L5-L7 NOT L11

FILE 'REGISTRY' ENTERED AT 07:34:07 ON 04 NOV 2002
L13 2 S 104-55-2 OR 458-36-6

FILE 'HCAPLUS' ENTERED AT 07:34:31 ON 04 NOV 2002
SET SMARTSELECT ON
L14 SEL L11 1- RN : 17 TERMS
SET SMARTSELECT OFF

FILE 'REGISTRY' ENTERED AT 07:34:32 ON 04 NOV 2002
L15 17 S L14

FILE 'HCAPLUS' ENTERED AT 07:34:39 ON 04 NOV 2002
SET SMARTSELECT ON
L16 SEL L12 1- RN : 102 TERMS
SET SMARTSELECT OFF

FILE 'REGISTRY' ENTERED AT 07:34:41 ON 04 NOV 2002
L17 102 S L16
L18 15 S L15 NOT L13
L19 3 S L18 AND (C15H200 OR C12H140 OR C14H180)
L20 96 S L17 NOT L13,L15
L21 STR
L22 15 S L21
L23 3533 S L21 FUL
SAV L23 LEVY977/A TEMP
L24 STR L21
L25 167 S L24 CSS FUL SUB=L23
SAV L25 LEVY977A/A
L26 7 S L25 AND IDS/CI
L27 6 S L26 NOT BR/ELS
L28 160 S L25 NOT L26
L29 54 S L28 AND 1/NC
L30 106 S L28 NOT L29
L31 1 S L30 AND LI/ELS
L32 43 S L29 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR (D O
L33 53 S L19,L27,L31,L32
L34 STR L24
L35 290 S L34 CSS FUL SUB=L23
SAV L35 LEVY977B/A
L36 123 S L35 NOT L25
L37 0 S L36 AND IDS/CI
L38 119 S L36 AND 1/NC
L39 4 S L36 NOT L38
L40 115 S L38 NOT (11C# OR 13C# OR 14C# OR C11# OR C13# OR C14# OR (D O
L41 44 S L13,L31,L32
L42 9 S L33 NOT L41
L43 121 S L40,L42

FILE 'HCAPLUS' ENTERED AT 07:51:33 ON 04 NOV 2002
L44 8797 S L41
L45 304 S CONIFERALDEHYDE OR FERULALDEHYDE OR FERULYL ALDEHYDE OR 4 HYD
L46 7119 S CINNAMALDEHYDE OR CINNAMYL ALDEHYDE OR CINNAMAL OR PHENYLPROP
L47 11542 S L8,L9,L44-L46
L48 1072 S L43
L49 12040 S L47,L48
L50 8078 S L49 AND (PY<=1994 OR PRY<=1994 OR AY<=1994)
L51 8 S L50 AND L5

L52 82 S L50 AND (SOAP OR SHAMPOO? OR DETERGENT?)
 L53 48 S L50 AND DETERGENT?/SC, SX
 L54 43 S L50 AND SURFACE ACTIVE?/SC, SX
 L55 213 S AGROCHEM?/SC, SX AND L50
 L56 45 S (L41 OR L43) (L)AGR/RL
 L57 20 S L56 AND L50
 L58 5 S L55, L57 AND L52-L54
 L59 9 S L51, L58
 L60 120 S L50 AND (?INSECT? OR ?ACARICID? OR ?ARACHNID? OR MIET OR LICE
 L61 5 S L60 AND L52-L54
 L62 56 S L50 AND (APHID OR MITE OR MOSQUIT? OR BLATTAR? OR DIPTER? OR
 L63 6 S L62 AND L52-L54
 L64 11 S L59, L61, L63
 SEL DN AN 9 10
 L65 9 S L64 NOT E1-E6
 L66 98 S L52-L54 NOT L55-L65
 L67 29 S L66 AND L13
 L68 35707 S (NA OR SODIUM) () (BICARBONATE OR CARBONATE)
 L69 24213 S (NA OR SODIUM) () (SULFATE OR SULPHATE)
 L70 14845 S (NA OR SODIUM) () (PHOSPHATE OR BIPHOSPHATE OR DIPHOSPHATE)

FILE 'REGISTRY' ENTERED AT 08:09:19 ON 04 NOV 2002

L71 35 S (2466-09-3 OR 7664-38-2 OR 7664-93-9 OR 463-79-6)/CRN AND NA/
 L72 29 S L71 NOT (24NA OR C6/ES OR F/ELS OR C6H12O3)

FILE 'HCAPLUS' ENTERED AT 08:13:30 ON 04 NOV 2002

L73 78403 S L72
 L74 39 S L50 AND L68-L70, L73
 L75 156 S L50 AND (NAHCO3 OR NA2CO3 OR NACO3 OR NA2HCO3 OR NASO4 OR NA2
 L76 7 S L74, L75 AND L52-L54
 L77 4 S L75 AND L55, L57
 L78 19 S L65, L76, L77
 L79 27 S L67 NOT L78
 SEL DN AN 5 8 12 13 18 24
 L80 6 S E7-E24
 L81 25 S L78, L80 AND L1-L12, L44-L70, L73-L80
 L82 23 S L81 AND ?ALDEHYDE?
 L83 25 S L81, L82

FILE 'REGISTRY' ENTERED AT 08:20:14 ON 04 NOV 2002

FILE 'HCAPLUS' ENTERED AT 08:20:41 ON 04 NOV 2002

FILE 'REGISTRY' ENTERED AT 08:21:31 ON 04 NOV 2002

FILE 'WPIX' ENTERED AT 08:21:54 ON 04 NOV 2002

L84 728 S L8, L9, L45, L46
 E CONIFER/DCN
 E E5+ALL
 L85 15 S E2
 E CINNAM/DCN
 E E4+ALL
 L86 379 S E2 OR 0764/DRN
 L87 893 S L84-L86
 L88 62 S L8/ABEX OR L9/ABEX OR L45/ABEX OR L46/ABEX
 L89 925 S L87, L88
 L90 8 S L89 AND (EMERSON R? OR CRANDALL B?)/AU
 L91 7 S L89 AND (PROGUARD? OR PRO GUARD?)/PA
 L92 8 S L90, L91
 L93 2 S L92 AND (SOAP OR SHAMPOO OR DETERGENT)/BI, ABEX
 L94 87 S L89 AND (SOAP OR SHAMPOO OR DETERGENT)/BI, ABEX
 L95 12 S L94 AND A01N/IC, ICM, ICS
 L96 3 S L94 AND A01N/ICA, ICI

L97 3 S L94 AND (P331 OR P341 OR P332)/M0,M1,M2,M3,M4,M5,M6
L98 39 S L89 AND (D08-B OR D08-B04 OR D08-B09 OR D08-B09A)/MC
L99 95 S L89 AND (P930 OR P943 OR Q252 OR Q254 OR Q262)/M0,M1,M2,M3,M4
L100 32 S L98,L99 AND L94
L101 53 S L89 AND (B12-N02 OR C12-N02 OR B14-B04B? OR C14-B04B? OR B12-
L102 2 S L101 AND L98,L99
L103 13 S L95,L96,L97,L102
L104 19 S L92,L93,L103
L105 642 S L89 AND (PY<=1994 OR PRY<=1994)
L106 39 S L105 AND L94
L107 5 S L105 AND L95,L96
L108 1 S L105 AND L97
L109 7 S L95 AND L98-L101
L110 12 S L95 AND L104
L111 18 S L92,L93,L107-L110
SEL DN AN 4 16
SEL DN AN 4 16 18
L112 15 S L111 NOT E5-E11
L113 15 S L112 AND L84-L112
L114 14 S L113 AND ?ALDEHYDE?
L115 8 S L113 AND (SOAP OR DETERGENT? OR SHAMPOO? OR LAUNDRY OR ?WASH?
L116 15 S L113-L115

FILE 'WPIX' ENTERED AT 08:47:59 ON 04 NOV 2002

FILE 'USPATFULL, USPAT2' ENTERED AT 08:48:24 ON 04 NOV 2002

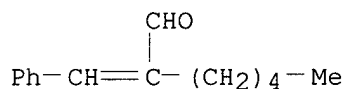
L117 445 S L13
L118 332 S L117 AND (SHAMPOO OR SOAP OR DETERGENT? OR LAUNDRY OR ?WASH?)
L119 12 S L117 AND (SHAMPOO? OR SOAP? OR DETERGENT? OR LAUNDRY? OR HAIR
L120 333 S L118,L119
L121 226 S L120 AND (PY<=1994 OR PRY<=1994)
L122 23 S L121 AND A01N/IC,ICM,ICS
L123 1 S L121 AND SHAMPOO?/CT

FILE 'USPATFULL, USPAT2' ENTERED AT 08:51:31 ON 04 NOV 2002

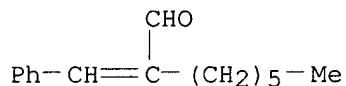
L83 ANSWER 5 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1996:550827 HCAPLUS
 DN 125:171564
 TI Odorless bleaching laundry **detergent** compositions containing
 perfumes
 IN Matsunaga, Satoshi; Isada, Junko; Inonami, Mieko
 PA Lion Corp, Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C11D003-395
 ICS D06L003-02
 ICI C11D003-395, C11D003-39, C11D001-04, C11D001-24, C11D003-50
 CC 46-5 (**Surface Active Agents and Detergents**)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08157878	A2	19960618	JP 1994-329540	19941202 <--
OS	MARPAT 125:171564				
AB	Title compns. contain (A) 1-15% O-based agents releasing H2O2 in water, (B) 0.5-10% R1CO2C6H4SO3M or R2CO2C6H4CO2M (R1 = C10-18 alkyl, alkenyl; R2 = C7-18 alkyl, alkenyl; M = anion giving water soly.) as activators, and (C) perfumes with atm. b.p. .gtoreq.230.degree.. Thus, a compn. contg. K linear C10-14 alkylbenzenesulfonate, C12-15 alkyl Na sulfate , 5% Na percarbonate, 2% Na p-dodecanoyloxysulfonate, and 0.2% perfumes contg. 66% components with the claimed b.p., i.e., p-tert-butyl-.alpha.-methylhydrocinnamic aldehyde , .alpha.-methyl-p-isopropylphenylpropionaldehyde, .alpha.-amylcinnamic aldehyde , .alpha.-hexylcinnamic aldehyde , 3-(5,5,6-trimethylnorbornan-2-yl)cyclohexan-1-ol, 2-ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-butan-1-ol, .alpha.,.alpha.-dimethyl-p-ethylhydrocinnamic aldehyde , 2-trans-3,7-dimethyl-2,6-octadien-1-ol, methylnonylacetoaldehyde , 4-(4-hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxyaldehyde, 2-methoxy-4-propenylphenol, allylcyclohexane propionate, Me dihydrojasmonate, and Vertofix released no odor after 1-mo storage at 25-45.degree..				
ST	bleaching laundry detergent perfume odorless; hydrogen peroxide releasing bleaching agent; alkanoyloxybenzenesulfonate salt activator peracid bleaching; alkanoyloxybenzoate salt activator peracid bleaching				
IT	Bleaching agents Perfumes (odorless laundry bleaching detergents contg. hydrogen peroxide-releasing agents and perfumes)				
IT	56670-30-5	56670-31-6	86960-46-5	86960-47-6	89740-13-6
	90293-84-8	90293-85-9	114808-03-6	142942-54-9	160541-71-9
	160541-72-0	164460-15-5	172284-81-0	172284-85-4	175596-78-8
	177077-49-5				
	RL: MOA (Modifier or additive use); USES (Uses) (activators; odorless laundry bleaching detergents contg. hydrogen peroxide-releasing agents and perfumes)				
IT	3407-42-9				
	RL: MOA (Modifier or additive use); USES (Uses) (fluorescent agents; odorless laundry bleaching detergents contg. hydrogen peroxide-releasing agents and perfume)				
IT	32388-55-9				
	RL: MOA (Modifier or additive use); USES (Uses) (odorless laundry bleaching detergents contg. hydrogen peroxide-releasing agents and perfumes)				
IT	4452-58-8				
	RL: TEM (Technical or engineered material use); USES (Uses) (particles; odorless laundry bleaching detergents contg.				

hydrogen peroxide-releasing agents and perfumes)
 IT 80-54-6, p-tert-Butyl-.alpha.-methylhydrocinnamic **aldehyde**
 103-95-7 **122-40-7**
 RL: MOA (Modifier or additive use); USES (Uses)
 (perfume; odorless laundry bleaching **detergents** contg.
 hydrogen peroxide-releasing agents and perfumes)
 IT 97-54-1, 2-Methoxy-4-propenylphenol **101-86-0**,
 .alpha.-Hexylcinnamic **aldehyde** 106-24-1 110-41-8
 2630-39-9, Methyl dihydrojasmonate 2705-87-5, Allylcyclohexane
 propionate 31906-04-4 67634-15-5 74981-28-5
 RL: MOA (Modifier or additive use); USES (Uses)
 (perfumes; odorless laundry bleaching **detergents** contg.
 hydrogen peroxide-releasing agents and perfumes)
 IT **122-40-7**
 RL: MOA (Modifier or additive use); USES (Uses)
 (perfume; odorless laundry bleaching **detergents** contg.
 hydrogen peroxide-releasing agents and perfumes)
 RN 122-40-7 HCAPLUS
 CN Heptanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



IT **101-86-0**, .alpha.-Hexylcinnamic **aldehyde**
 RL: MOA (Modifier or additive use); USES (Uses)
 (perfumes; odorless laundry bleaching **detergents** contg.
 hydrogen peroxide-releasing agents and perfumes)
 RN 101-86-0 HCAPLUS
 CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



L83 ANSWER 6 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1996:531823 HCAPLUS
 DN 125:161138
 TI Use of flavonoid **aldehydes** as **pesticides**
 IN **Emerson, Ralph W.; Crandall, Bradford G., Jr.**
 PA **Proguard, Inc., USA**
 SO PCT Int. Appl., 88 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 IC ICM A01N035-02
 ICI A01N035-02, A01N065-00, A01N025-30
 CC 5-4 (**Agrochemical** Bioregulators)
 FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9620596	A1	19960711	WO 1995-US17053	19951229 <--
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,				

NE, SN, TD, TG

US 6251951	B1	20010626	US 1995-479623	19950607 <--
AU 9646111	A1	19960724	AU 1996-46111	19951229 <--
AU 699074	B2	19981119		
BR 9510178	A	19971014	BR 1995-10178	19951229 <--
EP 800343	A1	19971015	EP 1995-944271	19951229 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
JP 10511955	T2	19981117	JP 1995-521179	19951229 <--
ZA 9600007	A	19960827	ZA 1996-7	19960102 <--
US 2002099101	A1	20020725	US 2001-866552	20010525 <--
PRAI US 1994-366973	A	19941230	<--	
US 1995-479623	A2	19950607		
US 1994-367082	A2	19941230	<--	
WO 1995-US17053	W	19951229		
US 1997-860514	B1	19970721		

OS MARPAT 125:161138

AB Methods and compns. based upon natural flavonoid **aldehydes** (Markush given), including **cinnamic aldehyde**, **.alpha.-hexylcinnamic aldehyde**, and **coniferyl aldehyde** are provided, which find use as **pesticides**. The compns. are effective against pathogenic fungi, **arachnids** and **insects** at concns. which are not phytotoxic to the treated host plant. Infestations of a variety of plant parts can be treated, including those of leaves, seeds, seedlings, fruit, flowers and roots. Susceptible organisms include rust, powdery mildew, Botrytis, Phylloxera, **aphids**, thrips, codling moth, nematodes and leaf hoppers.

ST flavonoid **aldehyde pesticide**

IT **Aphid**

Botrytis

Cicadellidae

Codling moth

Phylloxera

Pythium

Rhizoctonia

Rust (disease)

Sclerotinia

Thrips (Thysanoptera)

Tortricidae

(control with flavonoid **aldehydes**)

IT **Acaricides**

Algicides

Bactericides, Disinfectants, and Antiseptics

Fungicides and Fungistats

Insecticides

Nematocides

(flavonoid **aldehydes**)

IT Apple

Cotton

Grape

Peach

Pine

Rose

(flavonoid **aldehydes** as **pesticides** for)

IT **Aldehydes**, biological studies

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

(flavonoid; **pesticides**)

IT Mildew

(powdery, control with flavonoid **aldehydes**)

IT Grass

(turf, flavonoid **aldehydes** as **pesticides** for)

IT 101-86-0, **.alpha.-Hexylcinnamic aldehyde**

104-55-2, **Cinnamic aldehyde** 458-36-6

, **Coniferyl aldehyde**

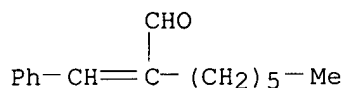
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(pesticide)

IT 101-86-0, .alpha.-Hexylcinnamic aldehyde
104-55-2, Cinnamic aldehyde 458-36-6
, Coniferyl aldehyde

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(pesticide)

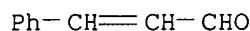
RN 101-86-0 HCAPLUS

CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



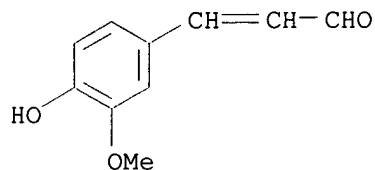
RN 104-55-2 HCAPLUS

CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



RN 458-36-6 HCAPLUS

CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



L83 ANSWER 7 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1996:529799 HCAPLUS

DN 125:161139

TI Flavonoid aldehydes as insecticides and
acaricides

IN Emerson, Ralph W.; Crandall, Bradford B., Jr.

PA Proguard, Inc., USA

SO PCT Int. Appl., 44 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A01N035-02

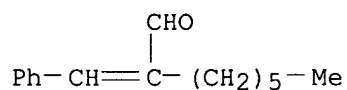
ICI A01N035-02, A01N065-00, A01N025-30

CC 5-4 (Agrochemical Bioregulators)

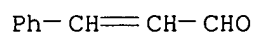
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9620594	A1	19960711	WO 1995-US17007	19951229 <--
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	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 5536501	A	19960716	US 1994-366974	19941230 <--
	US 5676958	A	19971014	US 1995-482222	19950607 <--

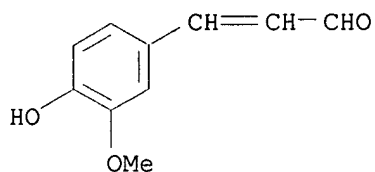
AU 9646475 A1 19960724 AU 1996-46475 19951229 <--
 AU 705775 B2 19990603
 BR 9510179 A 19971014 BR 1995-10179 19951229 <--
 EP 800344 A1 19971015 EP 1995-944424 19951229 <--
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE
 PRAI US 1994-366974 19941230 <--
 US 1995-482222 19950607
 WO 1995-US17007 19951229
 OS MARPAT 125:161139
 AB Methods and compns. based upon natural flavonoid **aldehydes**
 (Markush given), such as **cinnamic aldehyde**,
 coniferyl aldehyde and **.alpha.-hexylcinnamic**
 aldehyde, are provided, which find use as **pesticides**.
 The **pesticides** are formulated in a variety of ways, including
 dusts, sprays, **shampoos** and **soaps**, and can be bound to
 a solid support or provided as bait or directly impregnated into org.
 matter infested by or susceptible to infestation by a target **pest**
 . **Pests** controlled include **mosquitoes**, **ants**
 , **cockroaches**, **lice**, and **ticks**.
 ST flavonoid **aldehyde insecticide acaricide**
 IT **Acaricides**
 Insecticides
 (flavonoid **aldehydes** as **insecticides** and
 acaricides)
 IT **Aldehydes**, biological studies
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL
 (Biological study); USES (Uses)
 (flavonoid; **insecticides** and **acaricides**)
 IT 101-86-0, **.alpha.-Hexylcinnamic aldehyde**
 104-55-2, **Cinnamic aldehyde 458-36-6**
 , **Coniferyl aldehyde**
 RL: AGR (Agricultural use); BUU (Biological use, unclassified);
 BIOL (Biological study); USES (Uses)
 (flavonoid **aldehydes** as **insecticides** and
 acaricides)
 IT 101-86-0, **.alpha.-Hexylcinnamic aldehyde**
 104-55-2, **Cinnamic aldehyde 458-36-6**
 , **Coniferyl aldehyde**
 RL: AGR (Agricultural use); BUU (Biological use, unclassified);
 BIOL (Biological study); USES (Uses)
 (flavonoid **aldehydes** as **insecticides** and
 acaricides)
 RN 101-86-0 HCAPLUS
 CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



RN 458-36-6 HCAPLUS
 CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



L83 ANSWER 8 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1996:529798 HCAPLUS

DN 125:161117

TI Pre- and postharvest control of toxin-producing fungi, on crops

IN Emerson, Ralph W.; Crandall, Bradford G., Jr.

PA Proguard, Inc., USA

SO PCT Int. Appl., 45 pp.

CODEN: PIXXD2

DT Patent

LA English

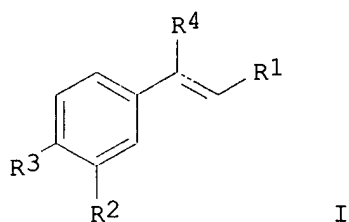
IC ICM A01N035-02

CC 5-2 (Agrochemical Bioregulators)

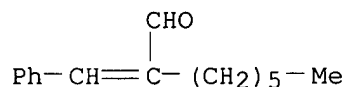
Section cross-reference(s): 17

FAN.CNT 3

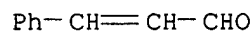
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PI	WO 9620595	A1	19960711	WO 1995-US17049	19951229	<--
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	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2208753	AA	19960711	CA 1995-2208753	19951229	<--
	AU 9647442	A1	19960724	AU 1996-47442	19951229	<--
	BR 9510180	A	19971014	BR 1995-10180	19951229	<--
	EP 800345	A1	19971015	EP 1995-944684	19951229	<--
	EP 800345	B1	20020403			
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	JP 11501295	T2	19990202	JP 1995-521176	19951229	<--
	EP 1000543	A1	20000517	EP 1999-203496	19951229	<--
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	AT 215307	E	20020415	AT 1995-944684	19951229	<--
	ZA 9600005	A	19960827	ZA 1996-5	19960102	<--
PRAI	US 1994-367082	A	19941230			<--
	US 1995-485035	A2	19950607			
	EP 1995-944684	A3	19951229			
	WO 1995-US17049	W	19951229			
OS	MARPAT 125:161117					
GI						



- AB Methods and compns. are provided for controlling the level of toxic metabolites in plants before, during and/or after harvest and/or processing. The invention finds use for reducing the health risk assocd. with the consumption products such as tobacco, cereal grain feeds, processed grain products such as corn syrup, citrus fruits, underground vegetables, fruit vegetables, flower, leafy and stem vegetables, and cut flowers, and for improving lab. animal testing procedures by controlling the level of mycotoxins assocd. with the materials that colonize toxin producing microorganisms. Compns. for controlling mycotoxin-producing fungi comprise **cinnamic aldehyde, coniferyl aldehyde** or derivs. I (R1 = CHO; R2 = OH or C1-10 org. substituent; R3 = OCH3 or C1-10 org. substituent; R4 = H or C1-10 org. substituent).
- ST fungicide mycotoxin crop food
- IT Food
Fungicides and Fungistats
(pre- and postharvest control of toxin-producing fungi, on crops)
- IT Mycotoxins
RL: ADV (Adverse effect, including toxicity); BIOL (Biological study)
(pre- and postharvest control of toxin-producing fungi, on crops)
- IT Plant
(crop, pre- and postharvest control of toxin-producing fungi, on crops)
- IT 101-86-0, .alpha.-HEXYLcinnamic aldehyde
104-55-2, Cinnamic aldehyde 458-36-6
, ConIferyl aldehyde
RL: AGR (Agricultural use); FFD (Food or feed use); BIOL
(Biological study); USES (Uses)
(pre- and postharvest control of toxin-producing fungi, on crops)
- IT 101-86-0, .alpha.-HEXYLcinnamic aldehyde
104-55-2, Cinnamic aldehyde 458-36-6
, ConIferyl aldehyde
RL: AGR (Agricultural use); FFD (Food or feed use); BIOL
(Biological study); USES (Uses)
(pre- and postharvest control of toxin-producing fungi, on crops)
- RN 101-86-0 HCAPLUS
- CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)

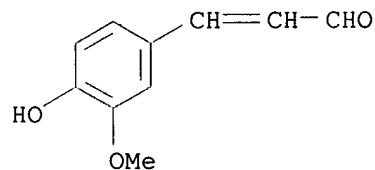


- RN 104-55-2 HCAPLUS
- CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



- RN 458-36-6 HCAPLUS

CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



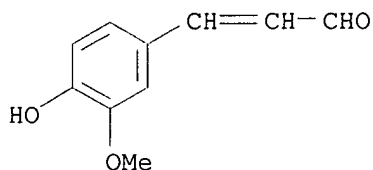
L83 ANSWER 9 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1996:467373 HCAPLUS
 DN 125:107792
 TI Use of flavonoid **aldehydes** as **insecticides** and for
 killing **arachnids**
 IN **Emerson, Ralph W.; Crandall, Bradford G., Jr.**
 PA **Proguard, Inc., USA**
 SO U.S., 6 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM A01N035-00
 NCL 424405000
 CC 5-4 (**Agrochemical** Bioregulators)
 FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	US 5536501	A	19960716	US 1994-366974	19941230	<--
	US 5676958	A	19971014	US 1995-482222	19950607	<--
	WO 9620594	A1	19960711	WO 1995-US17007	19951229	<--
	W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2208760	AA	19960711	CA 1995-2208760	19951229	<--
	AU 9646475	A1	19960724	AU 1996-46475	19951229	<--
	AU 705775	B2	19990603			
	BR 9510179	A	19971014	BR 1995-10179	19951229	<--
	EP 800344	A1	19971015	EP 1995-944424	19951229	<--
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	CN 1177279	A	19980325	CN 1995-197742	19951229	<--
	US 5839224	A	19981124	US 1996-621852	19960325	<--
PRAI	US 1994-366974		19941230			<--
	US 1995-482222		19950607			
	WO 1995-US17007		19951229			
OS	MARPAT 125:107792					
AB	Cinnamic aldehyde and/or coniferyl aldehyde are effective against spider mites, flies, fleas, ticks, termites, and cockroaches. The pesticides are formulated in a variety of ways, including dusts, sprays, shampoos and soaps , and can be bound to a solid support or provided as bait or directly impregnated into org. matter infested by or susceptible to infestation by a target pest .					
ST	cinnamic coniferyl aldehyde insecticide					
IT	Acaricides Insecticides (cinnamic and coniferyl aldehydes as					

insecticide against arachnids)
 IT 104-55-2, Cinnamic aldehyde 458-36-6
 , Coniferyl aldehyde
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (as insecticide against arachnids)
 IT 104-55-2, Cinnamic aldehyde 458-36-6
 , Coniferyl aldehyde
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (as insecticide against arachnids)
 RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

RN 458-36-6 HCAPLUS
 CN 2-Propenal, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



L83 ANSWER 10 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1995:312579 HCAPLUS

DN 122:74632

TI Non-hazardous pest control with powdered carbonate-fragrance composition.

IN Knight, Arthur Michael; Bessette, Steven M.

PA White Knight Escosafe Insecticide Co., USA

SO PCT Int. Appl., 27 pp.

CODEN: PIXXD2

DT Patent

LA English

IC ICM A01N025-08

ICS A01N025-12; A01N031-02; A01N031-04; A01N035-00; A01N035-02;
 A01N037-00; A01N037-10; A01N059-00; A01N065-00; A61K009-14;
 A61K009-16

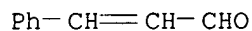
CC 5-4 (Agrochemical Bioregulators)

FAN.CNT 5

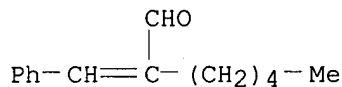
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9427434	A1	19941208	WO 1994-US5823	19940520 <--
	W:	AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US			
	RW:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 5439690	A	19950808	US 1993-65594	19930521 <--
	AU 9469183	A1	19941220	AU 1994-69183	19940520 <--
	AU 688327	B2	19980312		
	BR 9406551	A	19960102	BR 1994-6551	19940520 <--
	EP 697811	A1	19960228	EP 1994-917474	19940520 <--
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE			
	HU 73155	A2	19960628	HU 1995-3245	19940520 <--

HU 218164	B	20000628		
JP 09500367	T2	19970114	JP 1994-500894	19940520 <--
PL 174547	B1	19980831	PL 1994-311655	19940520 <--
RU 2146446	C1	20000320	RU 1995-122576	19940520 <--
US 5693344	A	19971202	US 1995-553475	19951109 <--
NO 9504613	A	19960117	NO 1995-4613	19951115 <--
CN 1151825	A	19970618	CN 1995-117578	19951211 <--
US 6114384	A	20000905	US 1996-657585	19960606 <--
US 6329433	B1	20011211	US 1999-469769	19991222 <--
US 6331572	B1	20011218	US 1999-469767	19991222 <--
US 6333360	B1	20011225	US 1999-469771	19991222 <--
US 6340710	B1	20020122	US 1999-469764	19991222 <--
US 6342535	B1	20020129	US 1999-469768	19991222 <--
US 6342536	B1	20020129	US 1999-469772	19991222 <--
US 6372801	B1	20020416	US 1999-469766	19991222 <--
US 6372803	B1	20020416	US 1999-469770	19991222 <--
US 6376556	B1	20020423	US 1999-469765	19991222 <--
US 6395789	B1	20020528	US 2000-655797	20000901 <--
PRAI US 1993-65594	A	19930521	<--	
US 1994-553475	A2	19940520	<--	
WO 1994-US5823	W	19940520	<--	
US 1995-553475	A2	19951109		
US 1996-657585	A2	19960607		
US 1997-657585	A2	19960607		
US 1997-870560	A3	19970606		
US 1998-56712	A3	19980408		
AB	A hazard-free method for controlling insects uses a non-toxic compn contg. an alk. metal carbonate, alkali metal bicarbonate, an absorbent material, and a fragrance. The powd. crystals puncture directly through the exoskeleton of an insect thus allowing the entry into the insect 's body of fragrance which interferes with the body function. Thus, a powd. compn. was prepd. contg. NaHCO3 60, CaCO3 33, potpourri fragrance oil 2, and diatomaceous earth 5 parts.			
ST	insecticide powd carbonate fragrance			
IT	Odor and Odorous substances (non-hazardous pest control with powd. carbonate-fragrance compn.)			
IT	Kieselguhr RL: MOA (Modifier or additive use); USES (Uses) (non-hazardous pest control with powd. carbonate-fragrance compn. and)			
IT	Insecticides (powd. carbonate-fragrance compn.)			
IT	60-12-8, Phenyl ethyl alcohol 84-66-2, Diethyl phthalate 104-54-1, Cinnamic alcohol 104-55-2, Cinnamic aldehyde 106-24-1, Geraniol 122-40-7, Amyl cinnamic aldehyde 123-11-5, Anisic aldehyde , biological studies 134-20-3, Methyl anthranilate 140-11-4, Benzyl acetate 144-55-8, Sodium bicarbonate , biological studies 471-34-1, Calcium carbonate, biological studies 1335-46-2, Methyl ionone 2050-08-0, Amyl salicylate 8000-41-7, Terpeneol 8007-35-0, Terpinyl acetate 8013-90-9, Ionone 25265-71-8, Dipropyleneglycol 32210-23-4, 4-tert-Butylcyclohexyl acetate RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (non-hazardous pest control with powd. carbonate-fragrance compn.)			
IT	104-55-2, Cinnamic aldehyde 122-40-7, Amyl cinnamic aldehyde 144-55-8, Sodium bicarbonate , biological studies RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study) (non-hazardous pest control with powd. carbonate-fragrance			

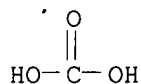
compn.)
 RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



RN 122-40-7 HCAPLUS
 CN Heptanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



RN 144-55-8 HCAPLUS
 CN Carbonic acid monosodium salt (8CI, 9CI) (CA INDEX NAME)



● Na

L83 ANSWER 11 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1995:198652 HCAPLUS
 DN 122:136848
 TI Stable liquid **detergent** compositions
 IN Toma, Yoji
 PA Lion Corp, Japan
 SO Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C11D007-56
 ICS D06L003-02; D06M013-127
 ICA C11B009-00
 CC 46-6 (**Surface Active Agents and Detergents**)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06220495	A2	19940809	JP 1993-29764	19930125 <--
AB	The title detergent compns. with fragrance stability contain H2O2, perfumes, 60% of which are composed of compds. with .ltoreq.1 unsatd. C bonds, and 0.005-0.1% .gtoreq.1 compds. selected from phosphoric acid (I) or their salts. Thus, a pH-4.5 aq. compn. comprising H2O2 5.0, octyl aldehyde 0.1, 9-decene-1-ol 0.1, I 0.001, 1-hydroxyethane-1,1-disulfonic acid 0.1, and polyoxyethylene lauryl ether 2.0% was storage stable at 45.degree. for 60 days.				
ST	detergent storage fragrance stability; storage stability detergent				
IT	Detergents Perfumes (storage-stable detergents contg. hydrogen peroxide and perfumes and phosphoric acid (salts))				
IT	60-12-8, 2-Phenylethanol 76-22-2, 1,7,7-Trimethylbicyclo(2,2,1)-2-				

heptanone 77-53-2, Cedrol 78-69-3, 3,7-Dimethyloctan-3-ol 78-70-6
 80-54-6, p-tert-Butyl-.alpha.-methylhydrocinnamic **aldehyde**
 81-14-1 88-41-5, 2-tert-Butyl-cyclohexyl acetate 91-64-5,
 1,2-Benzopyrone 97-53-0, 2-Methoxy-4-allylphenol 99-87-6,
 p-Methylisopropylbenzene **101-86-0**, Hexylcinnamic
aldehyde 102-20-5, Phenylethylphenyl acetate 103-95-7,
 2-Methyl-3-(p-isopropylphenyl)propion **aldehyde** 105-95-3,
 1,4-Dioxacycloheptadecane-5,17-dione 106-02-5, Cyclopentadecanolide
 106-21-8, 3,7-Dimethyloctane-1-ol 106-22-9, 3,7-Dimethyl-6-octen-1-ol
 112-31-2, n-**Decylaldehyde** 115-95-7 120-51-4, Benzylbenzene
 carboxylate 120-72-9, 1H-Indole, uses 124-13-0, Octyl **aldehyde**
 138-86-3, 1-Methyl-p-isopropenyl-1-cyclohexene 140-11-4, Benzyl acetate
 143-08-8, 1-Nonanol 150-84-5 928-96-1 1205-17-0 1222-05-5
 1490-04-6, 5-Methyl-2-isopropylcyclohexanol 1506-02-1 1632-73-1,
 1,3,3-Trimethyl-2-norbornanol 5392-40-5, 3,7-Dimethyl-2,6-octadienal
 7388-22-9, .gamma.-Methylionone 13019-22-2, 9-Decen-1-ol 13679-86-2
 16409-44-2, 2,6-Dimethyl-2,6-octadien-8-yl acetate 24851-98-7
 31906-04-4 32210-23-4, 4-tert-Butyl-cyclohexyl acetate 37677-14-8
 58409-60-2 68141-24-2 161142-81-0

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(in storage-stable **detergents** contg. hydrogen peroxide and perfumes and phosphoric acid (salts))

IT **7601-54-9, Sodium phosphate** 7664-38-2,
 Phosphoric acid, uses 7722-84-1, Hydrogen peroxide, uses 7778-53-2,
 Potassium phosphate

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

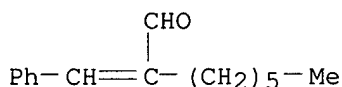
(storage-stable **detergents** contg. hydrogen peroxide and perfumes and phosphoric acid (salts))

IT **101-86-0, Hexylcinnamic aldehyde**
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(in storage-stable **detergents** contg. hydrogen peroxide and perfumes and phosphoric acid (salts))

RN 101-86-0 HCAPLUS

CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)

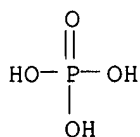


IT **7601-54-9, Sodium phosphate**
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(storage-stable **detergents** contg. hydrogen peroxide and perfumes and phosphoric acid (salts))

RN 7601-54-9 HCAPLUS

CN Phosphoric acid, trisodium salt (8CI, 9CI) (CA INDEX NAME)



L83 ANSWER 12 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1992:216798 HCAPLUS

DN 116:216798

TI **Detergent** compns. preventing odor generation from laundered clothing during long term storage

IN Watanabe, Toshiyuki; Konishi, Yoshiaki; Mukoyama, Koji

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D003-50

ICS C11D001-72; C11D001-83

ICA C11B009-00

ICI C11D001-83, C11D001-28, C11D001-72

CC 46-5 (**Surface Active Agents and Detergents**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04011699	A2	19920116	JP 1990-114742	19900427 <--
	JP 2914516	B2	19990705		
AB	<p>The title compns. contain (A) anionic surfactant, (B) nonionic surfactant RO(CH₂CH₂O)_nH (R = C7-18 alkyl, alkenyl) with av. n 2-10, n = 0 content <10%, and Y [content between (max. n - 2) and (max. n + 2)] .gtoreq.55%, and (C) 0.05-1% perfume(s) with content of component having b.p. .gtoreq.230.degree. (1 atm) .gtoreq.30%. A typical detergent comprised K C14-18 .alpha.-olefinsulfonate 18, K C10-14 linear alkylbenzenesulfonate 18, polyethylene glycol C12-13 alkyl ether (av. n = 5, n = 0 content 0.5%, Y 87%) 5, polyethylene glycol C12-13 alkyl ether (n = 20) 5, soap 2, zeolite 20, silica 0.5, Na silicate 4, K carbonate 10, Na carbonate 10, Na sulfite 2, perfumes (c 66%) 0.2, and NaSO4.10H₂O to 100%.</p>				
ST	<p>laundry detergent deodorant anionic surfactant; nonionic detergent deodorant laundry detergent; perfume deodorant laundry detergent</p>				
IT	<p>Perfumes (in laundry detergents with prevention of odor generation from laundered clothing upon long-term storage)</p>				
IT	<p>Detergents (cleaning compns., deodorizing, laundry)</p>				
IT	<p>Detergents (laundry, with prevention of odor generation from laundered clothing upon on long-term storage)</p>				
IT	<p>Essential oils RL: USES (Uses) (lavandin, perfumes contg., in laundry detergents with prevention of odor generation from laundered clothing upon long-term storage)</p>				
IT	<p>Essential oils RL: USES (Uses) (lemon, perfumes contg., in laundry detergents with prevention of odor generation from laundered clothing upon long-term storage)</p>				
IT	<p>Essential oils RL: USES (Uses) (orange, sweet, perfumes contg., in laundry detergents with prevention of odor generation from laundered clothing upon long-term storage)</p>				
IT	<p>Essential oils RL: USES (Uses) (patchouli, perfumes contg., in laundry detergents with</p>				

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE

CA 2038382	AA	19910921	CA 1991-2038382	19910315 <--
CA 2038382	C	19961015		
AU 9172983	A1	19910926	AU 1991-72983	19910315 <--
AU 640205	B2	19930819		
BR 9101077	A	19911105	BR 1991-1077	19910319 <--
US 5306707	A	19940426	US 1993-13196	19930129 <--
PRAI GB 1990-6254		19900320 <--		
US 1991-671618		19910320 <--		

OS MARPAT 115:263067

AB An antibacterial perfumed product for use in hair or skin prepn. contains p-XC6H4YCOZ (X = H, Me, MeO; Y = alkylene, alkenylene, alkyleneoxy, alkenyleneoxy; Z = H, OH, alkyl, alkoxy) or R(O)nCOR1 (R = aliph. group; R1 = H, C1-5lkyl; n = 0, 1). A preservative perfume was prepd. contg. phenylacetic acid 2, cinnamic acid 5, **phenylacetaldehyde** 4, 2-methyl-2-hepten-6-one 3, phenylethyl formate 10, cis-3-hexenyl acetate 2, prenyl acetate 1, benzyl formate 11, **cinnamic aldehyde** 2, and conventional perfumes to 100%. A **shampoo** was prepd. contg. Na lauryl ether sulfate 16, alkylbetaine 2, coconut diethanolamide 1, NaCl 0.1, the above preservative perfume 0.4, and water 80.5%. The **shampoo** remained stable against microbial spoilage under normal conditions.

ST antibacterial perfume hair skin prepn; **shampoo** preservative perfume

IT **Shampoos**
(antibacterial perfume prepn. in)

IT 103-82-2, Phenylacetic acid, biological studies 104-55-2, **Cinnamic aldehyde** 104-57-4, Benzyl formate 104-62-1 110-93-0, 2-Methyl-2-hepten-6-one 122-78-1, **Phenylacetaldehyde** 621-82-9, Cinnamic acid, biological studies 1191-16-8, Prenyl acetate 3681-71-8, cis-3-Hexenyl acetate
RL: BIOL (Biological study)
(antibacterial perfume prepn. contg., for cosmetics)

IT 104-55-2, **Cinnamic aldehyde**
RL: BIOL (Biological study)
(antibacterial perfume prepn. contg., for cosmetics)

RN 104-55-2 HCAPLUS

CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

L83 ANSWER 14 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1990:185547 HCAPLUS

DN 112:185547

TI Method of producing microcapsules

IN Takizawa, Masahiro; Matsui, Yumiko; Arai, Hiroto

PA Lion Corp., Japan

SO Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW

DT Patent

LA English

IC ICM B01J013-02

CC 62-1 (Essential Oils and Cosmetics)
Section cross-reference(s): 45, 46, 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 332175	A2	19890913	EP 1989-104123	19890308 <--
	EP 332175	A3	19891129		

R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE

JP 01231934 A2 19890918 JP 1988-57894 19880310 <--
 JP 05067335 B4 19930924
 PRAI JP 1988-57894 19880310 <--
 AB Microcapsules are prepd. by mixing an aq. dispersion contg. capsules having a wall membrane contg. poly(vinyl alc.) (PVA) and an aq. soln. contg. 8-50% by wt. of an electrolyte(s) and an **aldehyde(s)**, having a soly. in water at 20.degree. ltoreq.10%, and allowing the mixt. to react under an acidic conditions. Thus, microcapsules contg. vitamin C are prepd. from the dispersion contg. PVA capsules and **Na2SO4** and **heptaldehyde**, suitable for a skin cream formulation.
 ST microcapsule polyvinyl alc electrolyte **aldehyde**
 IT Electrolytes
 Aldehydes, uses and miscellaneous
 RL: BIOL (Biological study)
 (in prepn. of microcapsules contg. poly(vinyl alc.) by phase sepn.)
 IT Cosmetics
 Dentifrices
 (microcapsules for, poly(vinyl alc.)-contg., prepn. by phase sepn. of, **aldehydes** and electrolytes in)
 IT Cosmetics
 (creams, microcapsules for, poly(vinyl alc.)-contg., prepn. by phase sepn. of, **aldehydes** and electrolytes in)
 IT Encapsulation
 (micro-, by poly(vinyl alc.), phase sepn. in)
 IT Capsules
 (micro-, poly(vinyl alc.)-contg., prepn. by phase sepn. of, **aldehydes** and electrolytes in)
 IT Pharmaceutical dosage forms
 (microcapsules, poly(vinyl alc.)-contg., prepn. by phase sepn. of, **aldehydes** and electrolytes in)
 IT Hair preparations
 (rinses, microcapsules for, poly(vinyl alc.)-contg., prepn. by phase sepn. of, **aldehydes** and electrolytes in)
 IT 66-25-1, **Hexylaldehyde** 78-84-2 90-02-8,
 Salicylaldehyde, uses and miscellaneous 100-52-7,
 Benzaldehyde, uses and miscellaneous 100-83-4, m-
 Hydroxybenzaldehyde 104-55-2, **Cinnamicaldehyde**
 104-87-0, p-**Methylbenzaldehyde** 111-71-7,
 Heptylaldehyde 120-14-9, **Veratraldehyde** 121-33-5,
 Vanillin 122-78-1, **Phenylacetaldehyde** 123-08-0, p-
 Hydroxybenzaldehyde 123-11-5, p-**Methoxybenzaldehyde**,
 uses and miscellaneous 135-02-4, o-**Methoxybenzaldehyde**
 529-20-4, o-**Methylbenzaldehyde** 591-31-1, m-
 Methoxybenzaldehyde 613-69-4, o-**Ethoxybenzaldehyde**
 620-23-5, m-**Methylbenzaldehyde** 1335-10-0,
 Phenylpropylaldehyde 5392-40-5, Citral 7647-14-5, Sodium
 chloride, uses and miscellaneous 7757-82-6, **Sodium**
 sulfate, uses and miscellaneous 10031-82-0, p-
 Ethoxybenzaldehyde 22924-15-8, m-**Ethoxybenzaldehyde**
 RL: BIOL (Biological study)
 (in prepn. of microcapsules contg. poly(vinyl alc.) by phase sepn.)
 IT 9002-89-5, Poly(vinyl alcohol)
 RL: BIOL (Biological study)
 (microcapsules contg., prepn. by phase sepn. of, **aldehydes**
 and electrolytes in)
 IT 104-55-2, **Cinnamicaldehyde** 7757-82-6,
 Sodium sulfate, uses and miscellaneous
 RL: BIOL (Biological study)
 (in prepn. of microcapsules contg. poly(vinyl alc.) by phase sepn.)
 RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)

PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C11D007-54
 ICS C11D007-60
 ICI C11D007-60, C11D007-54, C11D007-18, C11D007-26
 CC 46-5 (**Surface Active Agents and Detergents**)
 Section cross-reference(s): 62

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63275697	A2	19881114	JP 1987-110375	19870506 <--
	JP 07005913	B4	19950125		
AB	Title compns. with good fragrances comprise inorg. peroxides, enzymes, and perfumes contg. .gtoreq.1 of monoterpene alcs., sesquiterpene alcs., and C7-10 arom. alcs., .gtoreq.1 of C8-17 alkyl formates or acetates, C10-15 hydrocarbons, and C7-15 arom. aldehydes , and 4-12% salicylate esters. Thus, a cotton fabric was soaked in an aq. soln. contg. 80.0% Na2C2O6, 18.9% Na2CO3 , 1% enzyme, and 0.1% mixt. of hexylcinnamaldehyde 26, linalool 20, coumarin 1, musk ketone 0.5, geranyl acetate 20, benzyl alc. 20, pentalide 8.5, and isoamyl salicylate (I) 4 parts for 30 min and squeezed to show good fragrance, vs. poor without I.				
ST	enzyme bleaching agent fragrance; inorg peroxide bleaching agent fragrance; terpene perfume bleaching agent; alc perfume bleaching agent; ester perfume bleaching agent; aldehyde perfume bleaching agent; salicylate ester perfume bleaching agent				
IT	Perfumes and Essences (alcs. and esters and aldehydes , peroxide bleaching agents contg.)				
IT	Enzymes RL: USES (Uses) (bleaching agents contg. perfumes and)				
IT	Peroxides, uses and miscellaneous RL: USES (Uses) (bleaching agents, contg. enzymes and perfumes, with good fragrances)				
IT	Bleaching agents (peroxides, contg. enzymes and perfumes, with good fragrance)				
IT	9014-01-1, Subtilisin RL: USES (Uses) (bleaching agents contg. perfumes and)				
IT	3313-92-6 RL: USES (Uses) (bleaching agents, contg. enzymes and perfumes, with good fragrance)				
IT	15630-89-4, Sodium percarbonate RL: USES (Uses) (bleaching agents, contg. enzymes and perfumes, with good fragrances)				
IT	78-70-6, Linalool 87-19-4, Isobutyl salicylate 87-20-7, Isoamyl salicylate 87-22-9 100-51-6, Benzyl alcohol, uses and miscellaneous 101-86-0 , Hexyl cinnamic aldehyde 105-87-3, Geranyl acetate 118-58-1, Benzyl salicylate 118-61-6, Ethyl salicylate 119-36-8, Methyl salicylate 6259-76-3, n-Hexyl salicylate 98969-18-7, 2-Ethylbutyl salicylate 98969-19-8, 2-Methylpentyl salicylate RL: USES (Uses) (perfume, peroxide bleaching agents contg., with good fragrance)				
IT	101-86-0 , Hexyl cinnamic aldehyde RL: USES (Uses) (perfume, peroxide bleaching agents contg., with good fragrance)				
RN	101-86-0 HCAPLUS				
CN	Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)				

4-Hydroxy-3-methoxybenzaldehyde 122-03-2, p-
 Isopropylbenzaldehyde 122-40-7, .alpha.-
 Amylcinnamaldehyde 122-78-1 123-11-5, p-
 Methoxybenzaldehyde, uses and miscellaneous 124-13-0,
 Octylaldehyde 124-19-6, Nonylaldehyde 134-20-3,
 Methyl anthranilate 1205-17-0 5392-40-5, 3,7-Dimethyl-2,6-octadienal
 RL: USES (Uses)

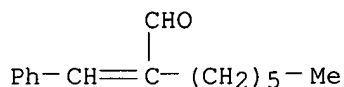
(deodorants, for olefinsulfonate- or alkylamine oxide-based dishwashing
 detergents)

IT 101-86-0, .alpha.-Hexylcinnamaldehyde 104-55-2
 , Cinnamaldehyde 122-40-7, .alpha.-
 Amylcinnamaldehyde

RL: USES (Uses)
 (deodorants, for olefinsulfonate- or alkylamine oxide-based dishwashing
 detergents)

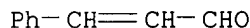
RN 101-86-0 HCAPLUS

CN Octanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



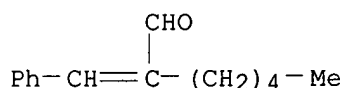
RN 104-55-2 HCAPLUS

CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



RN 122-40-7 HCAPLUS

CN Heptanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



L83 ANSWER 18 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1988:570234 HCAPLUS

DN 109:170234

TI Pyran derivatives, procedure for their preparation, and their use to
 control **pests**

IN Himmele, Walter; Theobald, Hans; Goetz, Norbert; Zombik, Winfried; Wild,
 Jochen; Adolphi, Heinrich; Hofmeister, Peter; Kuenast, Christoph

PA BASF A.-G., Fed. Rep. Ger.

SO Ger. Offen., 27 pp.

CODEN: GWXXBX

DT Patent

LA German

IC ICM C07D309-30

ICS C07D407-12; A01N043-16

ICI C07D309-30, C07D309-20; C07D407-12, C07D309-30, C07D317-22

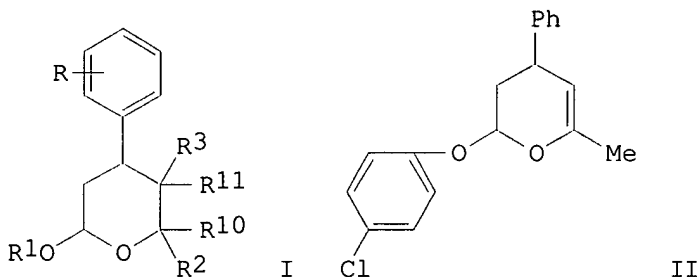
CC 27-13 (Heterocyclic Compounds (One Hetero Atom))

Section cross-reference(s): 5

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3622599	A1	19880114	DE 1986-3622599	19860705 <--
	EP 254078	A1	19880127	EP 1987-109306	19870629 <--

EP 254078 B1 19910206
 R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE
 AT 60765 E 19910215 AT 1987-109306 19870629 <--
 JP 63093776 A2 19880425 JP 1987-165583 19870703 <--
 BR 8703433 A 19880322 BR 1987-3433 19870706 <--
 ZA 8704878 A 19890329 ZA 1987-4878 19870706 <--
 PRAI DE 1986-3622599 19860705 <--
 EP 1987-109306 19870629 <--
 OS CASREACT 109:170234; MARPAT 109:170234
 GI



- AB Pyran derivs. I [R10 = R11 = H, R1OR11 = bond; R = 2-F, 2-Cl, alkyl, alkoxy, haloalkoxy; R1 = (un)substituted aryl, (CHR4)nR5, R4 = H, alkyl, haloalkyl; R5 = Ph, cycloalkyl, heterocyclalkyl (un)substituted by alkyl or haloalkyl; R2 = H, alkyl, haloethyl, alkoxy, halo or alkoxy (un)substituted alkenyloxy, phenyloxalkyloxy, etc., cyano, alkoxycarbonyl, etc.; R3 = H, alkyl, haloalkyl; R2, R3 = H, R1OR11 = CX2; X = halo], useful as **insecticides** and **pesticides**, were prepd. Cycloaddn. of PhCH:CHCOMe with 4-ClC6H4OCH:CH2 in the presence of p-(HO)2C6H4 and Na2CO3 gave a mixt. of 2/3 trans- and 1/3 cis-II. I (R = R3H, R1 = 4-EtC6H4, R2 = CH2NH2, R1OR11 = bond or R10 = R11 = H) had ovo-larvicide activity against *Heliothis virescens* at 0.04 ppm vs. 0.1-0.04 for chlorpyrifos.
- ST phenylpyran prepn **insecticide pesticide**; pyran phenyl prepn **insecticide pesticide**
- IT **Insecticides**
Pesticides
 (phenylpyran derivs.)
- IT 115009-37-5P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and reaction of, in synthesis of **insecticide** and/or **pesticide**)
- IT 115009-32-0P 115009-33-1P 115009-34-2P 115009-35-3P 115009-36-4P
 115009-38-6P 115009-39-7P 115009-41-1P 115009-43-3P 115009-44-4P
 115009-46-6P 115021-89-1P 115021-90-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as **insecticide** and/or **pesticide**)
- IT 79-30-1, 2-Methylpropanoyl chloride 103-71-9, Phenyl isocyanate, reactions 104-55-2, **Cinnamaldehyde** 122-57-6, Benzalacetone 372-20-3, 3-Fluorophenol 1074-56-2, 4-Chlorophenyl vinyl ether 1552-41-6, Diethyl (4-cyanobenzyl)phosphonate 3536-96-7, Vinylmagnesium chloride 30996-02-2 115009-40-0 115009-42-2 115009-45-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, in synthesis of **insecticide** and/or **pesticide**)
- IT 104-55-2, **Cinnamaldehyde**
 RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction of, in synthesis of **insecticide** and/or
pesticide)

RN 104-55-2 HCAPLUS
CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

L83 ANSWER 19 OF 25 HCAPLUS COPYRIGHT 2002 ACS
AN **1984:632249** HCAPLUS
DN **101:232249**
TI Antifungal-antibacterial **detergents** containing cinnamic
compounds
IN Sperti, George S.; Sway, Boris
PA Sperti Drug Products, Inc., USA
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
IC C11D009-50; C11D003-48
NCL 252106000
CC 46-6 (**Surface Active Agents and Detergents**)
Section cross-reference(s): 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4477361	A	19841016	US 1983-468346	19830222 <--
AB	Disinfecting cleaners for hands, bottles, floors, walls, etc., are prepd. which contain a fatty acid soap , a cinnamic compd. such cinnamon oil, cinnamaldehyde [104-55-2], hydrocinnamaldehyde [104-53-0], or cinnamic acid [621-82-9] as an antifungal and antibacterial agent, and a free fatty acid or an emollient to render the compn. substantive. Thus, an antimicrobial cleaner comprised coconut fatty acids 45.0, tall-oil fatty acids 37.5, palmitic acid 12.0, caustic potash (45%) 20.0, caustic soda (50%) 10.0, water 216.5, propylene glycol 18.0, isopropyl palmitate [142-91-6] 6.0, Versenol 120 1.5, and cinnamon oil 0.5 part.				
ST	cleaner disinfectant cinnamon compd; soap disinfectant cinnamic compd; fatty acid soap disinfectant; emollient soap disinfectant; antimicrobial soap cinnamic compd				
IT	Oils RL: USES (Uses) (cinnamon, disinfecting soaps contg., substantive)				
IT	Fatty acids, uses and miscellaneous RL: USES (Uses) (disinfecting soaps contg. cinnamic compds. and, substantive)				
IT	Soaps RL: USES (Uses) (disinfecting, contg. cinnamic compds., substantive)				
IT	104-53-0 104-55-2 621-82-9, uses and miscellaneous RL: USES (Uses) (disinfecting soaps contg., substantive)				
IT	110-27-0 142-91-6 RL: USES (Uses) (emollient, disinfecting soap contg. cinnamic compd. and)				
IT	104-55-2 RL: USES (Uses) (disinfecting soaps contg., substantive)				
RN	104-55-2 HCAPLUS				
CN	2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)				

L83 ANSWER 22 OF 25 HCAPLUS COPYRIGHT 2002 ACS
 AN 1982:54306 HCAPLUS
 DN 96:54306
 TI Soap and fragrance materials
 CS Ogawa Koryo K. K., Japan
 SO Koryo (1981), 132, 103-9
 CODEN: KORYAR; ISSN: 0368-6558
 DT Journal
 LA Japanese
 CC 46-2 (Surface Active Agents and Detergents)
 Section cross-reference(s): 62
 AB Soaps contg. 1% fragrance were exposed to heat (50.degree.) or
 sunlight for 2 wk or >7 h, resp., and changes in smell and color (Hunter
 values) were measured for 244 natural and synthetic fragrant materials.
 ST fragrance soap heat resistance; light resistance fragrance
 soap
 IT Cycloalkanols
 RL: USES (Uses)
 (acetates, fragrances, soaps contg., heat and light
 resistance of)
 IT Soaps
 RL: USES (Uses)
 (fragrance-contg., heat and light resistance of)
 IT Alcohols, uses and miscellaneous
 Aldehydes, uses and miscellaneous
 Esters, uses and miscellaneous
 Ketones, uses and miscellaneous
 Lactones
 Phenols, uses and miscellaneous
 RL: TEM (Technical or engineered material use); USES (Uses)
 (fragrances, soaps contg., heat and light resistance of)
 IT Discoloration
 (of soaps contg. fragrances, by heat and light)
 IT Heat, chemical and physical effects
 Light, chemical and physical effects
 (on soaps contg. fragrances)
 IT Odor and Odorous substances
 (soaps contg., heat and light resistance of)
 IT Oils
 RL: USES (Uses)
 (essential, soaps contg., heat and light resistance of)
 IT 60-12-8 76-22-2 77-53-2 77-54-3 78-69-3 79-77-6 80-26-2
 80-27-3 81-14-1 81-15-2 85-91-6 87-20-7 87-22-9 87-25-2
 87-44-5 89-78-1 90-17-5 91-64-5 93-04-9 93-15-2 93-16-3
 93-58-3 93-89-0 93-92-5 94-48-4 97-53-0 97-54-1 98-85-1
 98-86-2, uses and miscellaneous 100-52-7, uses and miscellaneous
 100-86-7 101-94-0 102-13-6 102-20-5 103-05-9 103-26-4 103-36-6
 103-37-7 103-41-3 103-45-7 103-54-8 103-56-0 103-95-7 104-46-1
 104-50-7 104-54-1 104-55-2 104-61-0 104-67-6 104-93-8
 105-37-3 105-85-1 105-86-2 105-87-3 105-95-3 106-21-8 106-22-9
 106-23-0 106-24-1 106-25-2 106-27-4 106-32-1 106-68-3 107-74-4
 107-75-5 109-94-4 112-30-1 112-31-2 112-44-7 112-54-9 115-95-7
 119-36-8 119-61-9, uses and miscellaneous 120-45-6 120-57-0
 120-72-9, uses and miscellaneous 121-32-4 121-33-5 121-98-2
 122-03-2 122-40-7 122-63-4 123-92-2 124-13-0 124-19-6
 124-25-4 125-12-2 126-64-7 127-41-3 134-20-3 138-86-3 140-11-4
 140-39-6 141-12-8 141-16-2 142-50-7 144-39-8 150-84-5 151-05-3
 488-10-8 499-75-2 507-70-0 543-39-5 586-62-9 589-75-3 626-82-4
 629-80-1 638-66-4 705-86-2 706-14-9 710-04-3 713-95-1 821-55-6
 928-96-1 1118-39-4 1321-28-4 1331-83-5 1333-52-4 1335-10-0
 1335-12-2 1335-46-2 1335-66-6 1337-83-3 1405-92-1 1502-05-2
 2035-99-6 2244-16-8 2305-05-7 3301-94-8 4395-92-0 5392-40-5
 5471-51-2 6259-76-3 7386-24-5 7492-66-2 7549-37-3 8000-41-7

11031-45-1 11050-62-7 21145-77-7 25377-71-3 28473-21-4
 30207-98-8 30385-25-2 32388-55-9 50984-52-6 61711-48-6
 62563-80-8 65155-46-6 65405-77-8 68129-81-7 72231-19-7
 74749-73-8 80393-40-4 80400-98-2 80449-43-0 80449-44-1
 80449-45-2 80449-46-3 80449-58-7 80449-93-0 80449-98-5
 80450-03-9 80450-04-0 80450-08-4 80450-20-0 80450-28-8
 80450-43-7 80450-58-4 80450-61-9 80450-66-4 80450-69-7
 80450-72-2 80450-75-5 80450-79-9 80450-80-2 80450-81-3
 80450-82-4 80450-98-2 80451-10-1

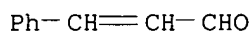
RL: TEM (Technical or engineered material use); USES (Uses)
 (fragrances, **soaps** contg., heat and light resistance of)

IT 104-55-2 122-40-7

RL: TEM (Technical or engineered material use); USES (Uses)
 (fragrances, **soaps** contg., heat and light resistance of)

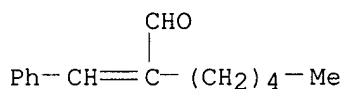
RN 104-55-2 HCAPLUS

CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



RN 122-40-7 HCAPLUS

CN Heptanal, 2-(phenylmethylene)- (9CI) (CA INDEX NAME)



L83 ANSWER 23 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1976:405676 HCAPLUS

DN 85:5676

TI Bactericidal thiazolopyrimidines

PA Imperial Chemical Industries Ltd., Engl.

SO Japan. Kokai, 12 pp.

CODEN: JKXXAF

DT Patent

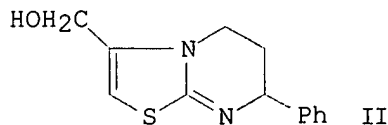
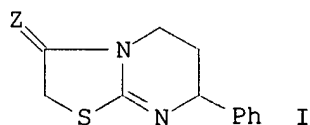
LA Japanese

CC 28-17 (Heterocyclic Compounds (More Than One Hetero Atom))

Section cross-reference(s): 5

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 49126828	A2	19741204	JP 1973-41454	19730413 <--
GI					



AB Unsatd. **aldehydes** were cyclocondensed with hydrazine hydrate to give pyrazolines, which were reduced to give 1,3-diaminopropanes, which were cyclocondensed with CS₂ to give 2-mercaptotetrahydropyrimidines, which were cyclocondensed with haloacetates, dihalo ketones, or 1,2-dihaloethanes to give I (Z = O; OH, CH₂Cl; H₂) or II. I and II are agricultural bactericides, i.e., against *Corynebacterium michiganense* and

Streptomyces scabies. Thus, PhCH:CHCHO was refluxed with NH₂NH₂ hydrate in EtOH 1 hr to give 5-phenylpyrazoline, which was reduced with Raney Ni 6 hr at 100.degree. and 100 atm to give 1,3-diamino-1-phenylpropane (III). III in aq. EtOH was refluxed with CS₂ 2 hr, concd. HCl added and refluxed 17 hr to give 3,4,5,6-tetrahydro-2-mercapto-6-phenylpyrimidine (IV). IV (3.8 g) was refluxed with Na₂CO₃, MeOH and 5.9 g BrCH₂CH₂Br 72 hr to give I (Z = H₂). Similarly prepd. were I (Z = O; OH, CH₂Cl) and II. bactericide thiazolopyrimidine; phenylthiazolopyrimidine; cycloaddn mercaptopyrimidine haloethane

IT Bactericides, Disinfectants and Antiseptics
(thiazolopyridines)

IT 105-39-5 106-93-4 534-07-6
RL: RCT (Reactant)
(cycloaddn. reaction with mercaptopyrimidine)

IT 4888-74-8
RL: RCT (Reactant)
(cyclocondensation of, with carbon disulfide)

IT 75-15-0, reactions
RL: RCT (Reactant)
(cyclocondensation of, with diaminopropane)

IT 54768-31-9
RL: RCT (Reactant)
(cyclocondensation of, with dibromoethane, chloroacetate, or dichloroacetone)

IT 104-55-2
RL: RCT (Reactant)
(cyclocondensation of, with hydrazine)

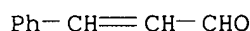
IT 54768-27-3P 54768-28-4P 54768-30-8P 55167-21-0P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn. and bactericidal activity of)

IT 936-47-0
RL: RCT (Reactant)
(reductive ring cleavage of)

IT 104-55-2
RL: RCT (Reactant)
(cyclocondensation of, with hydrazine)

RN 104-55-2 HCAPLUS

CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)



L83 ANSWER 24 OF 25 HCAPLUS COPYRIGHT 2002 ACS

AN 1973:75786 HCAPLUS

DN 78:75786

TI Compounded perfumes for toilet goods. Nonirritative compounded perfumes for soaps

AU Fujii, Tetsuya; Furukawa, Saburo; Suzuki, Seiji

CS Res. Dep., Lion Fat and Oil Co., Tokyo, Japan

SO Yukagaku (1972), 21(12), 904-8
CODEN: YKGKAM

DT Journal

LA Japanese

CC 62-5 (Essential Oils and Cosmetics)

AB Irritation of skin by 19 natural and 43 synthetic perfumes for soaps was detd. Pos. reactions were obsd. within 24-72 hrs. Based on the results, 7 compounded perfumes for soaps were made and irritation and phototoxicity tests were carried out. As the amt. of compounded perfume used in soaps is only 1-2%, skin irritation caused by the perfumes is quite weak.

ST perfume **soap** skin irritation
IT Oils
RL: BIOL (Biological study)
(bergamot, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(cananga, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(cassia, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(cedarwood, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(cinnamon leaf, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(citronella, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(clove, irritability and toxicity tests for, for **soap** perfumes)
IT Perfumes
Perfumes
(for **soaps**, irritability and toxicity tests for)
IT Oils
RL: BIOL (Biological study)
(geranium, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(guaiac-wood, irritability and toxicity tests for, for **soap** perfumes)
IT Sesquiterpenes
Terpenes
RL: BIOL (Biological study)
(irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(lavender, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(lemon, irritability and toxicity tests for, for **soap** perfumes)
IT Oils
RL: BIOL (Biological study)
(patchouli, irritability and toxicity tests for, for **soap** perfumes)
IT **Soaps**
Soaps
RL: BIOL (Biological study)
(perfumes for, irritability and toxicity tests for)
IT Oils
RL: BIOL (Biological study)
(petitgrain, irritability and toxicity tests for, for **soap**

perfumes)
 IT Labdanum
 Styrax
 Galbanum
 RL: BIOL (Biological study)
 (resins, irritability and toxicity tests for, for soap
 perfumes)
 IT Oils
 RL: BIOL (Biological study)
 (sandalwood, irritability and toxicity tests for, for soap
 perfumes)
 IT Ketones, properties
 RL: PRP (Properties)
 (terpene, irritability and toxicity tests for, for soap
 perfumes)
 IT Oils
 RL: BIOL (Biological study)
 (vetiver, irritability and toxicity tests for, for soap
 perfumes)
 IT Oils
 RL: BIOL (Biological study)
 (ylang ylang, irritability and toxicity tests for, for soap
 perfumes)
 IT 60-12-8 78-70-6 80-26-2 81-14-1 83-66-9 90-17-5 91-64-5
 93-92-5 97-53-0 97-54-1 98-55-5 100-51-6 101-84-8 101-97-3
 103-95-7 104-46-1 104-54-1 **104-55-2** 105-87-3 106-22-9
 106-23-0 106-24-1 115-95-7 118-58-1 120-51-4 120-57-0 121-33-5
 122-63-4 123-11-5 140-11-4 150-84-5 151-05-3 507-70-0
1331-92-6 1335-46-2 2050-08-0 4780-69-2 8013-90-9
39350-49-7
 RL: BIOL (Biological study)
 (irritability and toxicity tests for, for soap perfumes)
 IT **104-55-2 1331-92-6 39350-49-7**
 RL: BIOL (Biological study)
 (irritability and toxicity tests for, for soap perfumes)
 RN 104-55-2 HCAPLUS
 CN 2-Propenal, 3-phenyl- (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

RN 1331-92-6 HCAPLUS
 CN 2-Propenal, 3-phenyl-, monopentyl deriv. (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

D1-(CH₂)₄-Me

RN 39350-49-7 HCAPLUS
 CN 2-Propenal, 3-phenyl-, monohexyl deriv. (9CI) (CA INDEX NAME)

Ph-CH=CH-CHO

Me-(CH₂)₅-D1